PRODUCT CATALOG

INDUSTRIAL PLUGS & RECEPTACLES

meltric.com

MELTRIC
A COMPANY OF MARECHAL ELECTRIC

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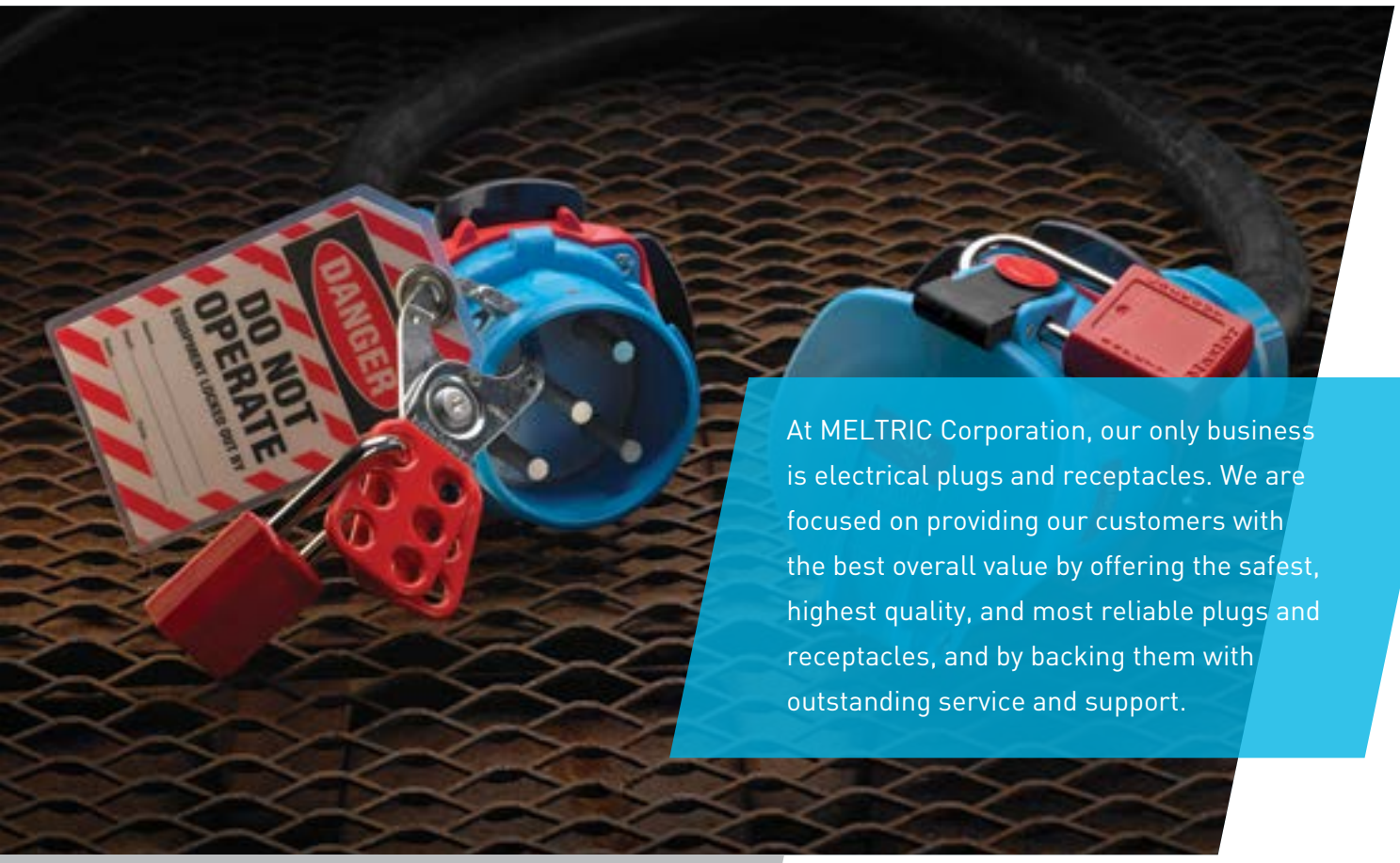
MELTRIC Corporation

The best in industrial wiring devices



At MELTRIC Corporation, our only business is electrical plugs and receptacles. We are focused on providing our customers with the best overall value by offering the safest, highest quality, and most reliable plugs and receptacles, and by backing them with outstanding service and support.

Product Technology and Safety

The technology behind MELTRIC products was developed specifically to address the shortcomings and safety hazards that occur with the use of traditional plugs and receptacles. In 1952, following the observation of an accident with a pin and sleeve device, Gilles Marechal devised a device that combines silver-nickel butt contacts and the load making and breaking capabilities of a switch in the convenience of a plug and receptacle. MELTRIC licensed this technology in the early 1980s and has been supplying its products to North American customers ever since.

Value

With their unique features and capabilities, MELTRIC products provide users with a safer and more reliable product. MELTRIC butt-style contacts provide longer operating lives, help users reduce equipment costs and remove arcing hazards caused by live contacts or wrongful disconnection. These advantages, together with competitive pricing, short lead times, and 5-year warranty on electrical contacts make MELTRIC products the best overall value in the plug and receptacle/connector market.

Service and Support

MELTRIC backs its superior products with outstanding service and support. A network of over 150 sales associates and over 2,000 distributor locations throughout the US, Canada, and Mexico makes purchasing MELTRIC product simple.

MELTRIC's Customer Service group is trained to answer questions on the spot and is located at our manufacturing facility to help streamline the order fulfillment process. Our engineering team stands ready to provide both application support and custom design solutions incorporating MELTRIC and third-party components into power distribution products tailored to meet your needs. Friendly and personal assistance is only a call away at 800-433-7642. Our efficient order handling by Customer Service, and on-call engineering helps MELTRIC to provide the fastest answers and shortest lead times in the industry.

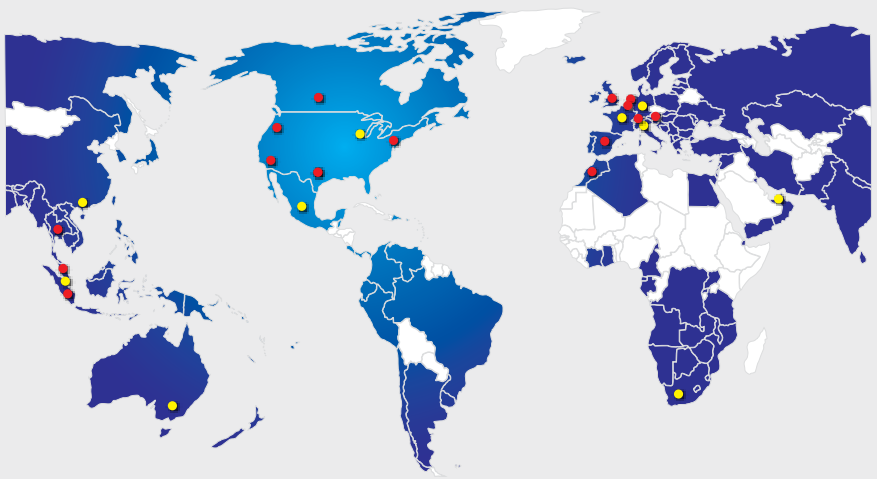
Quality

Quality is not just an inspection function at MELTRIC. MELTRIC Quality starts with intelligent designs, robust materials, clear procedures, process measurement and controls, as well as effective communications. Our quality mission is completed through the care, commitment, and involvement of each of our employees.

MELTRIC is dedicated to the continuous improvement of all its critical production and support processes and is ISO 9001:2015 certified. MELTRIC designs and manufactures its products to exceed the requirements of applicable UL, CSA, and IEC standards.

Worldwide Availability

MELTRIC supplies product directly from its factory in Franklin, Wisconsin to customers in the United States, Canada, and Mexico. MELTRIC can supply outside of North America using our parent company, Marechal Electric Group. Marechal Technology products are manufactured in North America, Europe, South Africa, and Australia.



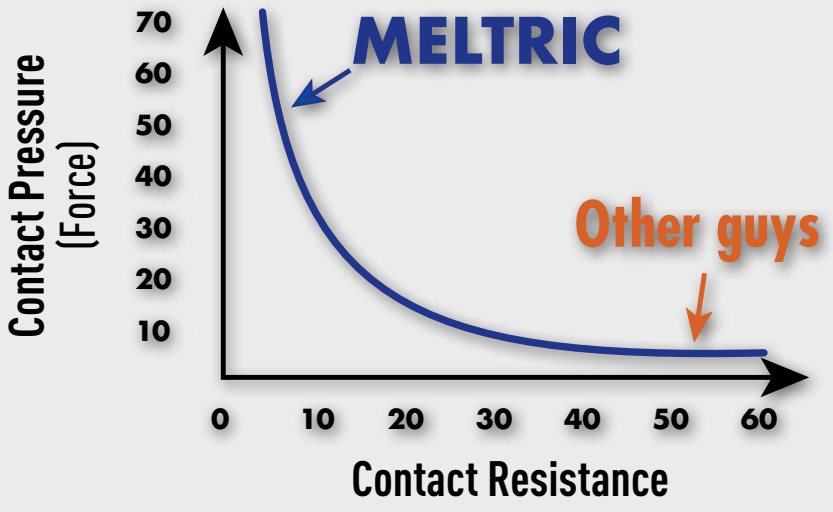
MELTRIC PRODUCT FEATURES...

Spring-Loaded Butt Contacts

MELTRIC products feature unique spring-loaded, butt contacts. These help improve electrical performance and user safety. Butt-style contacts ensure a consistent connection. The spring-loading of these contacts provides a high contact force that remains consistent over thousands of operations. In addition, the high contact force automatically compensates for any wear and/or deviations resulting from manufacturing variances – reducing the chance of hazard caused by wear and tear.

As the accompanying chart demonstrates, contact resistance increases as contact force is reduced. Higher contact resistance generates more heat and oxidation, both of which contribute to the deterioration of the contact. Spring-loaded butt contacts reduce this hazard with their strong contact force. Other forms of contacts present hazards because their contact force varies due to wear caused by normal use and cannot compensate for manufacturing variances.

In conjunction with the ejection springs used on many MELTRIC products, the spring-loaded contacts ensure a quick breaking of the connection. This disconnection style serves as a safety feature arresting arcs and reducing hazards independent of personnel input, simply push the red button for disconnection.



...AND BENEFITS

Silver-Nickel Contact Material

MELTRIC uses solid silver-nickel (85%/15%) contacts. The silver-nickel material has significant advantages over the brass contacts commonly used on competitive devices.

Silver has very low initial contact resistance and is not negatively affected by oxidation. This helps to give it excellent electrical properties that are maintained even at high temperatures and after tarnishing. Nickel is used to provide hardness and improve mechanical properties. The combination of silver and nickel results in a contact material that has superior electrical capabilities and excellent resistance to wear. Silver-nickel also withstands arcs very well.

By contrast, the brass material used in most competitive plug and receptacles has a much higher initial contact resistance and is negatively affected by oxidation. In an oxidized state, the contact resistance of brass is more than 20 times higher than that of silver-nickel. In addition, brass is a soft material that wears rapidly. As the oxidation and wear induced reductions in contact force occur on the brass, contact resistance increases. This increases operating temperature, which causes further oxidation and wear, perpetuating a vicious cycle of degradation. Brass is not arc resistant and is not suitable for making and breaking under load.

Meltric provides added safety and reliability by providing an arc, wear, and tarnish resistant silver-nickel contact that will stand up in the most demanding of environments.

MATERIAL	CONTACT RESISTANCE	
	NEW	OXIDIZED
SILVER	6 μΩ	25 μΩ
SILVER-NICKEL	23 μΩ	60 μΩ
COPPER	29 μΩ	400 μΩ
BRASS	370 μΩ	1400 μΩ

Dead-Front Construction

Most MELTRIC products feature dead-front construction, which greatly enhances safety by eliminating access to live parts. On most MELTRIC products, the dead-front is accomplished using a safety shutter that closes upon disconnection and can be opened only by an appropriate mating plug. The live receptacle contacts are positioned behind the shutter and will only be accessed by the plug, after its insertion into the receptacle.

The design of the product also ensures that the plug contacts are dead prior to the user removing the plug from the receptacle. On competitive devices access to live receptacle contacts is possible, and on some devices the plug contacts may be accessible while live when the plug is being removed. MELTRIC eliminates chance contact with live contacts by providing the Dead-Front Shutter.

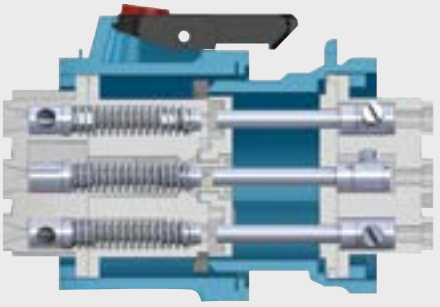
MELTRIC PRODUCT FEATURES...

Push-Button Circuit Disconnection

To disconnect most MELTRIC products, the user simply needs to press the red circle located on the pawl. This causes the circuit to be disconnected and the plug to be ejected to its rest (off) position in the receptacle. If desired, the user can then remove the plug from the receptacle by rotating it slightly then withdrawing it. This mode of operation ensures that it is only possible to remove the plug after its contacts have been de-energized reducing risk of live contacts and arc shock.

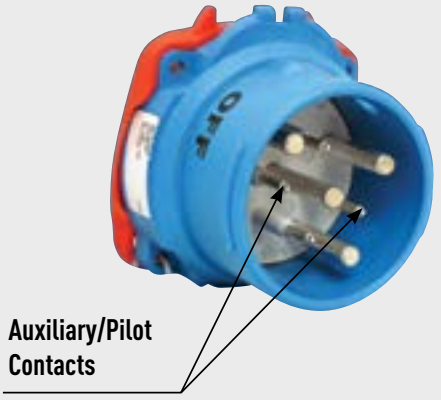
Enclosed Arc Chambers

The contacts on most MELTRIC products make and break within enclosed arc chambers. This ensures that the arcing, which normally occurs during the making and breaking of the contacts, is contained inside the MELTRIC device. This greatly enhances safety and avoids potential injury to users and/or harm to the outside environment.



Optional Auxiliary/Pilot Contacts

Many MELTRIC products are available with optional auxiliary/pilot contacts. These integral pilot contacts allow users the convenience and flexibility of controlling auxiliary equipment, monitoring parameters (such as motor temperature), and/or communicating alarms through the same plug and receptacle used to supply power to the equipment. Because the pilot contacts are integral, they also facilitate the rapid change-out or reconfiguration of equipment by eliminating the need for hardwiring or multiple plug connections. Saving both time and effort for monitoring and replacement of equipment.



Automatic Watertightness

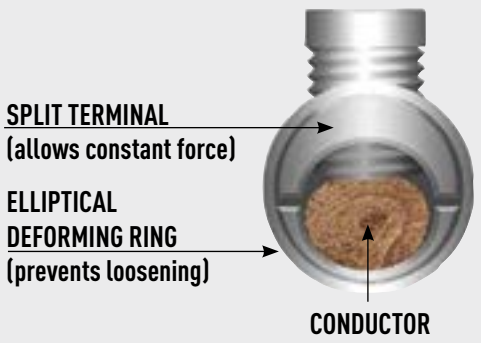
On most pin and sleeve devices, an additional plastic ring must be tightened to ensure the achievement of rated watertightness. Users frequently fail to do this, resulting in leakage. MELTRIC solves this problem with its DSN and DS Switch-Rated plugs and receptacles, which are manufactured with environmental ratings of Type 4X/IP69/IP69K simply by mating the plug with the receptacle. After the removal of the plug, rated watertightness is maintained for the receptacle by simply closing the lid.

...AND BENEFITS

Spring-Assisted Terminals

The loosening of terminal screws is a common cause for failure on standard plugs and receptacles. MELTRIC provides a more secure and reliable connection with its unique and patented spring-assisted terminal design.

As the terminal screw is tightened against the conductor, the associated pressure expands the split terminal body, causing the spring ring surrounding the terminal to deform into an elliptical shape. The natural tendency for the spring ring to return to its original size and shape ensures that a constant pressure is maintained on the conductor. This allows the terminal to effectively provide superior resistance to vibration, shock, strand settlement, material creep, and thermal cycling, reducing the chance for unwanted disconnection during use.



Lockout-Tagout Capability

Most MELTRIC plugs and receptacles facilitate compliance with OSHA lockout-tagout requirements. Only a lock or lockout hasp and tag are needed to ensure that the plug is properly locked out and tagged out. Because the lockout provisions are integrated into the device – it is always available when you need it. On most models the lockout provision is a simple 5/16" hole in the inlet shroud that facilitates the insertion of a lockout hasp which prevents the mating of inlet and receptacle.

An optional provision for locking out MELTRIC receptacles is also available. In most cases this is accomplished via a specially machined hole in the receptacle pawl which allows insertion of a padlock to secure the receptacle lid in a closed position. This same optional provision can be used to prevent removal of the plug if desired.

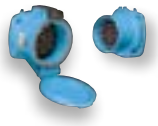
By comparison, to lock out most competitive devices, an additional third-party 'lockout shield or 'plug cap' is required. These devices can be expensive and are often lost, broken, or not available when you need them. MELTRIC makes your lockout tagout provisions easier to perform with integrated lockout provisions located on the electrical device close to the work area.

Modular Construction

Many of MELTRIC's products are designed in a modular fashion, which permits cost effective stocking of components and quick final assembly of the product.

Due to the robust construction of MELTRIC devices, the need to replace worn parts is rare. However, should they be required, parts are readily available and reasonably priced. The modular construction of most MELTRIC devices enables easy replacement of parts in the field.

MELTRIC PRODUCT SUMMARY...

		Model	Amp Rating	Maximum Voltage Rating		Environmental Ratings		Available Casing Materials			Maximum Number of Contacts	
				VAC	VDC	Type	IP	Poly	Metal	SS	Main	Aux.
Switch-Rated		DSN20	20	600	-	4X	69/69K	Poly	-	-	3P+N+G	2**
		DSN30	30	600	-	4X	69/69K	Poly	-	-	3P+N+G	2
		DSN60	60	600	-	4X	69/69K	Poly	-	-	3P+N+G	4
		DSN100	100	600	-	4X	69/69K	Poly	Metal	-	3P+N+G	4
		DSN150	150	600	-	4X	69/69K	Poly	Metal	-	3P+N+G	6
		DS20	20	600	-	3R+	-	Poly	-	-	3P+N+G	2
		DS30	30	600	-	3R+	-	Poly	-	-	3P+N+G	4
		DS60	60	600	-	4X	69/69K	Poly	Metal	-	3P+N+G	4
		DS100C	100	600	-	4X	69/69K	Poly	Metal	-	3P+N+G	4
		DS100	100	600	-	4X	69/69K	Poly	Metal	-	3P+N+G	6
		DS200	200	600	-	4X	69/69K	-	Metal	-	3P+N+G	6
Multipin		PN7c	15	480	130	-	66/67*	Poly	Metal	SS	6P+G	-
		PN12c	2	600	130	-	66/67*	Poly	Metal	SS	11P+G	-
		PN12c	7.5	600	130	-	66/67*	Poly	Metal	SS	11P+G	-
		DSN12c	2	480	130		66/67/69	Poly	-		11P+G	
		DSN12c	7.5	480	130		66/67/69	Poly	-		11P+G	
		DSN24c	2	480	130	-	66/67	Poly	-	-	23P+G	-
		DSN24c	7.5	480	130	-	66/67	Poly	-	-	23P+G	-
		DS24c	2	250	130	-	54/55	-	-	SS	23P+G	-
		DS24c	7.5	250	130	-	54/55	-	-	SS	23P+G	-
		DSN37c	2	480	130	-	66/67	Poly	-	-	36P+G	-
		DSN37c	7.5	480	130	-	66/67	Poly	-	-	36P+G	-
		DS37c	2	480	130	-	54/55	-	-	SS	36P+G	-
		DS37c	7.5	480	130	-	54/55	-	-	SS	36P+G	-
		DN9c	20	480	130	-	54/55	-	Metal	-	8P+G	-
		DN20c	20	480	130	-	54/55	-	Metal	-	19P+G	-
		DS7c	30	600	130	-	66/67	Poly	Metal	-	6P+G	3
		DR7c	50	600	130	-	66/67	Poly	Metal	-	6P+G	3

* The indicated ratings do not apply to devices with SS casings.
\+ Type 4X optional
** DSN20 auxiliary contacts just provide a continuity loop thru the receptacle to indicate that a plug is connected.

...AND SELECTION GUIDE

Model	Current Interruption Rating*	Horsepower Ratings (see catalog section for other voltages)			Main Contacts Wire Size Capacity		Terminal Type
		240 V - 3Ø	480 V - 3Ø	600 V - 3Ø	Min	Max	
DSN20	Switch-Rated	3 hp	7.5 hp	7.5 hp	14 AWG	12 AWG	Screw
DSN30	Switch-Rated	5 hp	15 hp	15 hp	14 AWG	8 AWG	Screw
DSN60	Switch-Rated	7.5 hp	20 hp	20 hp	14 AWG	4 AWG	Screw
DSN100	Switch-Rated	20 hp	50 hp	50 hp	10 AWG	2 AWG	Screw
DSN150	Switch-Rated	30 hp	75 hp	75 hp	4 AWG	2/0 AWG	Screw
DS20	Switch-Rated	5 hp	7.5 hp	10 hp	14 AWG	8 AWG	Screw
DS30	Switch-Rated	5 hp	15 hp	15 hp	14 AWG	4 AWG	Screw
DS60	Switch-Rated	10 hp	25 hp	25 hp	10 AWG	2 AWG	Screw
DS100C	Switch-Rated	20 hp	50 hp	50 hp	10 AWG	2 AWG	Screw
DS100	Switch-Rated	10 hp	30 hp	-	4 AWG	2/0 AWG	Screw
DS200	Switch-Rated	40 hp	100 hp	100 hp	4 AWG	4/0 AWG	Screw
PN7c	Current Interrupting	-	-	-	18 AWG	10 AWG	Screw
PN12c	Current Interrupting	-	-	-	18 AWG	14 AWG	Solder/Crimp
PN12c	Non-Current Interrupting	-	-	-	18 AWG	14 AWG	Solder/Crimp
DSN12c	Current Interrupting	-	-	-	18 AWG	14 AWG	Solder/Crimp
DSN12c	Non-Current Interrupting	-	-	-	18 AWG	14 AWG	Solder/Crimp
DSN24c	Current Interrupting	-	-	-	18 AWG	14 AWG	Solder/Crimp
DSN24c	Non-Current Interrupting	-	-	-	18 AWG	14 AWG	Solder/Crimp
DS24c	Current Interrupting	-	-	-	18 AWG	14 AWG	Solder/Crimp
DS24c	Non-Current Interrupting	-	-	-	18 AWG	14 AWG	Solder/Crimp
DSN37c	Current Interrupting	-	-	-	18 AWG	14 AWG	Solder/Crimp
DSN37c	Non-Current Interrupting	-	-	-	18 AWG	14 AWG	Solder/Crimp
DS37c	Current Interrupting	-	-	-	18 AWG	14 AWG	Solder/Crimp
DS37c	Non-Current Interrupting	-	-	-	18 AWG	14 AWG	Solder/Crimp
DN9c	Current Interrupting	3 hp	5 hp	-	16 AWG	10 AWG	Screw
DN20c	Current Interrupting	1 hp	3 hp	-	16 AWG	10 AWG	Screw
DS7c	Current Interrupting	-	-	-	14 AWG	8 AWG	Screw
DR7c	Non-Current Interrupting	-	-	-	14 AWG	8 AWG	Screw

* 'Switch-Rated' and 'Current Interrupting' ratings apply to alternating current only.

MELTRIC PRODUCT SUMMARY...

		Model	Amp Rating	Maximum Voltage Rating		Environmental Ratings		Available Casing Materials			Maximum Number of Contacts	
				VAC	VDC	Type	IP	Poly	Metal	SS	Main	Aux.
Standard		**DR30**	30	600	-	3R+	69/69K	Poly	-	-	3P+N+G	2
		DR50	50	600	-	3R+	69/69K	Poly	-	-	3P+N+G	4
		DR100	100	600	-	4X	69/69K	Poly	Metal	-	3P+N+G	4
		DR150	150	600	-	4X	69/69K	Poly	Metal	-	3P+N+G	6
		DR250	250	600	-	4X	69/69K	-	Metal	-	3P+N+G	6
		DR400	400	480**	-	4X	69/69K	-	Metal	-	3P+G	2
		PN20	20	480*	-	4X	-	Poly	Metal	SS+*	3P+N+G	-
		PNHT	30	480	130	-	44	-	Metal	-	3P+N+G	-
Direct Current		**DSDC1**	20	-	250	3R+	-	Poly	-	-	2P+G	-
		DSDC1	15	-	600	3R+	-	Poly	-	-	2P+G	-
		DSDC1	10	-	750	3R+	-	Poly	-	-	2P+G	-
		DSDC3	30	-	250	3R+	-	Poly	-	-	2P+G	-
		DSDC3	30	-	600	3R+	-	Poly	-	-	2P+G	-
		DSDC3	20	-	750	3R+	-	Poly	-	-	2P+G	-
		DSDC6	60	-	250	4X	69/69K	Poly	Metal	-	2P+G	-
		DSDC6	50	-	600	4X	69/69K	Poly	Metal	-	2P+G	-
		DSDC6	30	-	750	4X	69/69K	Poly	Metal	-	2P+G	-
		DSDC9	100	-	250	4X	69/69K	Poly	Metal	-	2P+G	-
		DSDC9	60	-	600	4X	69/69K	Poly	-	-	2P+G	-
		DSDC2	200	-	250	4X	69/69K	-	Metal	-	2P+G	-
		DSDC2	100	-	600	4X	69/69K	-	Metal	-	2P+G	-
High Ampacity		**PFQ300**	300	600	250	-	66/67	-	Metal	-	3P+N+G	8
		PF300	300	600	250	-	66/67	-	Metal	-	3P+N+G	4
		PF400	400	600	250	-	66/67	-	Metal	-	3P+N+G	4
		PF600	600	600	250	-	66/67	-	Metal	-	3P+N+G	4
		SP	600	600	600	-	66/67	Poly	-	-	1P	2++
		CS1000	400	600	600	-	66/67	Poly	-	-	1P	-

* 600 VAC available at 15 A and less
** 600 VAC available at 350 A and less
\+ Type 4X optional
++ SP pilot contacts are provided to energize receptacle only when mated with inlet
+* Indicated environmental ratings do not apply to devices with SS casings

...AND SELECTION GUIDE

Model	Current Interruption Rating*	Horsepower Ratings (see catalog section for other voltages)			Main Contacts Wire Size Capacity		Terminal Type
		240 V - 3Ø	480 V - 3Ø	600 V - 3Ø	Min	Max	
DR30	Non-Current Interrupting	-	-	-	14 AWG	8 AWG	Screw
DR50	Non-Current Interrupting	-	-	-	14 AWG	4 AWG	Screw
DR100	Non-Current Interrupting	-	-	-	10 AWG	2 AWG	Screw
DR150	Non-Current Interrupting	-	-	-	4 AWG	2/0 AWG	Screw
DR250	Non-Current Interrupting	-	-	-	4 AWG	4/0 AWG	Screw
DR400	Non-Current Interrupting	-	-	-	2 AWG	500 MCM	Screw
PN20	Current Interrupting	-	-	-	14 AWG	8 AWG	Screw
PNHT	Non-Current Interrupting	-	-	-	14 AWG	8 AWG	Screw
DSDC1	Non-Current Interrupting	-	-	-	14 AWG	8 AWG	Screw
DSDC1	Non-Current Interrupting	-	-	-	14 AWG	8 AWG	Screw
DSDC1	Non-Current Interrupting	-	-	-	14 AWG	8 AWG	Screw
DSDC3	Non-Current Interrupting	-	-	-	14 AWG	4 AWG	Screw
DSDC3	Non-Current Interrupting	-	-	-	14 AWG	4 AWG	Screw
DSDC3	Non-Current Interrupting	-	-	-	14 AWG	4 AWG	Screw
DSDC6	Non-Current Interrupting	-	-	-	10 AWG	2 AWG	Screw
DSDC6	Non-Current Interrupting	-	-	-	10 AWG	2 AWG	Screw
DSDC6	Non-Current Interrupting	-	-	-	10 AWG	2 AWG	Screw
DSDC9	Non-Current Interrupting	-	-	-	4 AWG	2/0 AWG	Screw
DSDC9	Non-Current Interrupting	-	-	-	4 AWG	2/0 AWG	Screw
DSDC2	Non-Current Interrupting	-	-	-	4 AWG	4/0 AWG	Screw
DSDC2	Non-Current Interrupting	-	-	-	4 AWG	4/0 AWG	Screw
PFQ	Non-Current Interrupting	-	-	-	2 AWG	600 MCM	Lug
PF300	Non-Current Interrupting	-	-	-	2 AWG	600 MCM	Lug
PF400	Non-Current Interrupting	-	-	-	2 AWG	600 MCM	Lug
PF600	Non-Current Interrupting	-	-	-	2 AWG	600 MCM	Lug
SP	Non-Current Interrupting	-	500 hp	500 hp	2/0 AWG	777 MCM	Lug
CS1000	Non-Current Interrupting	-	-	-	1/0 AWG	444 MCM	Lug

* 'Switch-Rated' and 'Current Interrupting' ratings apply to alternating current only.

MELTRIC PRODUCT SUMMARY...

		Model	Amp Rating	Maximum Voltage Rating		Environmental Ratings		Available Casing Materials			Maximum Number of Contacts	
				VAC	VDC	Type	IP	Poly	Metal	SS	Main	Aux.
Hazardous Location		DXN20	20	600	-	-	66/67	Poly	-	-	3P+N+G	-
		DXN30	30	600	-	-	66/67	Poly	-	-	3P+N+G	2
		DXN60	60	600	-	-	66/67	Poly	-	-	3P+N+G	2
		DXA1	20	600	-	-	66/67	-	Metal	-	3P+N+G	-
		DS20	20	600	-	4X	-	Poly	-	-	3P+N+G	2
		DS30	30	600	-	4X	-	Poly	-	-	3P+N+G	4
		DS60	60	600	-	4X	-	-	Metal	-	3P+N+G	4
		DS100C	100	600	-	4X	-	Poly	Metal	-	3P+N+G	4
		DSN150	150	600	-	4X	-	-	Metal	-	3P+N+G	6
		DS200	200	600	-	4X	-	-	Metal	-	3P+G	6
		DR30	30	600	-	4X	-	Poly	-	-	3P+N+G	2
		DR50	50	600	-	4X	-	Poly	-	-	3P+N+G	4
		DR250	250	600	-	4X	-	-	Metal	-	3P+G	6
		DSDC1	20	-	250	4X	-	Poly	-	-	2P+G	-
		DSDC3	30	-	250	4X	-	Poly	-	-	2P+G	-
		DSDC6	60	-	250	4X	-	Poly	Metal	-	2P+G	-
		DSDC9	100	-	250	4X	-	-	Metal	-	2P+G	-
		DSDC2	200	-	250	4X	-	-	Metal	-	2P+G	-
		DX1	20	750	-	-	65	-	Metal	-	3P+N+G	-
		DX3	32	750	-	-	65	-	Metal	-	3P+N+G	-
		DX6	63	750	-	-	65/66	-	Metal	-	3P+N+G	-
		DX9	125	750	-	-	65/66	-	Metal	-	3P+N+G	-
		PNCX	5	250			66/67/69	Poly	-		4P +G	
		PXN12c	10	220	-	-	65/66	-	Metal	-	11P+G	-
		DXN25c	10	440	-	-	66/67	-	Metal	-	24P+G	-
		DXN37c	10	220	-	-	66/67	-	Metal	-	36P+G	-
		SPeX	680	1000	-	-	65/66	Poly	-	-	1P	2*

* SPeX pilot contacts are provided to energize receptacle only when mated with inlet

...AND SELECTION GUIDE

Model	Current Interruption Rating	Horsepower Ratings (see catalog section for other voltages)			Main Contacts Wire Size Capacity		Terminal Type
		240 V - 3Ø	480 V - 3Ø	600 V - 3Ø	Min	Max	
DXN20	Current Interrupting	2 hp	7.5 hp	7.5 hp	16 AWG	10 AWG	Screw
DXN30	Current Interrupting	5 hp	10 hp	15 hp	14 AWG	6 AWG	Screw
DXN60	Current Interrupting	7.5 hp	20 hp	20 hp	10 AWG	4 AWG	Screw
DXA1	Current Interrupting	2 hp	7.5 hp	7.5 hp	16 AWG	10 AWG	Screw
DS20	Non-Current Interrupting	5 hp	7.5 hp	10 hp	14 AWG	8 AWG	Screw
DS30	Non-Current Interrupting	5 hp	15 hp	15 hp	14 AWG	4 AWG	Screw
DS60	Non-Current Interrupting	10 hp	25 hp	25 hp	10 AWG	2 AWG	Screw
DS100C	Non-Current Interrupting	20 hp	50 hp	50 hp	10 AWG	2 AWG	Screw
DSN150	Non-Current Interrupting	30 hp	75 hp	75 hp	4 AWG	2/0 AWG	Screw
DS200	Non-Current Interrupting	40 hp	100 hp	100 hp	4 AWG	4/0 AWG	Screw
DR30	Non-Current Interrupting	-	-	-	14 AWG	8 AWG	Screw
DR50	Non-Current Interrupting	-	-	-	14 AWG	4 AWG	Screw
DR250	Non-Current Interrupting	-	-	-	4 AWG	4/0 AWG	Screw
DSDC1	Non-Current Interrupting	-	-	-	14 AWG	8 AWG	Screw
DSDC3	Non-Current Interrupting	-	-	-	14 AWG	4 AWG	Screw
DSDC6	Non-Current Interrupting	-	-	-	10 AWG	2 AWG	Screw
DSDC9	Non-Current Interrupting	-	-	-	4 AWG	2/0 AWG	Screw
DSDC2	Non-Current Interrupting	-	-	-	4 AWG	4/0 AWG	Screw
DX1	Current Interrupting	-	-	-	14 AWG	8 AWG	Screw
DX3	Current Interrupting	-	-	-	14 AWG	8 AWG	Screw
DX6	Current Interrupting	-	-	-	6 AWG	1/0 AWG	Screw
DX9	Current Interrupting	-	-	-	2 AWG	2/0 AWG	Screw
PNCX	Non-Current Interrupting				18 AWG	12 AWG	Screw
PXN12c	Non-Current Interrupting	-	-	-	16 AWG	14 AWG	Solder/Crimp
DXN25c	Non-Current Interrupting	-	-	-	16 AWG	14 AWG	Solder/Crimp
DXN37c	Non-Current Interrupting	-	-	-	16 AWG	14 AWG	Solder/Crimp
SPeX	Non-Current Interrupting	-	-	-	2/0 AWG	750 MCM	Lug

MELTRIC PART NUMBERING...

First seven (7) digits for a basic inlet or receptacle part number

One (1) to six (6) suffixes for special features

1 2	—	3	4	5 6	7	X	X	X	—	Y	Y	Y

MELTRIC Product Line Type and Casing Material

PN/PN7c
01 = Blue Poly
09 = Blue Metal

PN12c
03 = Blue Poly
07 = Blue Metal

PXN12c
06 = Black Metal

PNCX
06 = Black Poly

DN
19 = Blue Metal

DXN
22 = Black Poly

DXA1
28 = Black Metal

DX
26 = Black Metal

DS
33 = Blue Poly
35 = Black Poly
36 = Black Metal (HazLoc)
37 = Blue Metal

DXN25/37c
36 = Black Metal

DR
31 = Blue Poly
35 = Black Poly
36 = Black Metal (HazLoc)
39 = Blue Metal

SPeX
42 = Black Poly

CS1000/SP
45 = Black Poly

PFQ
47 = Gray Metal

PF
49 = Gray Metal

DSN
63 = Blue Poly
65 = Black Poly
66 = Black Metal (HazLoc)
69 = Blue Metal

AMP (A) Rating

DSN
1 = 20
3 = 30
6 = 60
8 = 100
9 = 150

DS
1 = 20
3 = 30
6 = 60/100C
9 = 100
2 = 200*

DR
1 = 30
3 = 50
6 = 100
9 = 150
2 = 250*
4 = 400*

PN20
N = 20 (IP66/IP67)
S = 20 (IP54/IP55)

PNCX
E = 5

PNHT
2 = 20

DXN
1 = 20
3 = 30
6 = 60

DXA1
1 = 20

DX
2 = 20*
3 = 32*
6 = 63*
9 = 125*

PF
3 = 300*
4 = 400*
6 = 600*

PFQ
3 = 300*

DN
1 = 20*(DN9)
6 = 20*(DN20)

* Available in metal only.

Form and Mounting

Female
4 = Receptacle

Male
8 = Inlet

DX, DXN37c, PXN12c, SPeX Only

Female
0 = Receptacle on box
3 = Connector
4 = Receptacle

Male
1 = Plug
6 = Inlet on Box

Voltage Polarization

Position		Voltage	Hz
00	=	250	50
01	=	220 - 250 / 380 - 440	50
02	=	20/24	60
03	=	110 - 130 / 190 - 230	50
04	=	255 - 277 / 440 - 480	60
06	=	25/28	50
07	=	110 - 125 / 220 - 250	60
08	=	20/24	50
09	=	480/500	50
10	=	110/130	DC
11	=	115 - 127 / 200 - 220	400
12	=	115 - 127 / 200 - 220	200
13	=	40/48	50
14	=	347/600	60
16	=	120 - 127 / 208 - 220	60
17*	=	110 - 125 / 220 - 250	60
18*	=	347/600	60
19	=	380 - 400 / 660 - 690	50
20	=	220/250	DC
22	=	577/1000	50
23*	=	120 - 127 / 208 - 220	60
24*	=	255 - 277 / 440 - 480	60

* For DS100C and DR devices.

Phasing

AC

2 = 2P+G	AC
3 = 3P+G	AC
5 = 1P+N+G	AC
6 = 2P+N+G	AC
7 = 3P+N+G	AC
A+ = 2P	AC
B+ = 3P	AC
C+ = 3P+N	AC
D+ = 1P+N	AC
G+ = 2P+N	AC

DC

8++ = 2P+G	DC
9 = 2P+G	DC
Z+ = 2P	DC
P = 2P+2P+G	DC

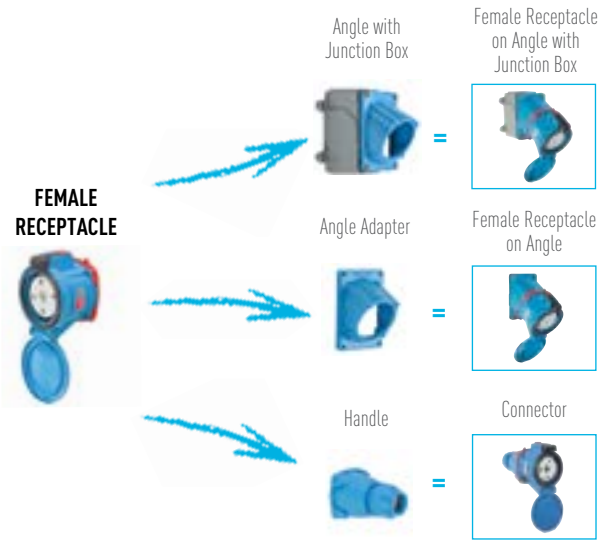
+ For 50V or less only.
++ Includes jumpers.

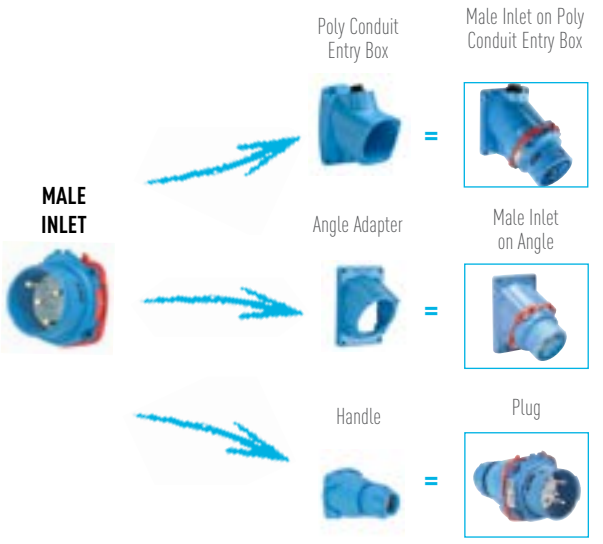
Notes:
- On metal devices, inlets are not painted, receptacles are painted.
- This is the Keying Standard for MELTRIC products. Suffixes are available to accommodate non-interchangeable devices of the same size at the same voltage. Please ask for more details.

...AND ORDERING GUIDE

A MODULAR SYSTEM

MELTRIC products are ordered and assembled in a modular fashion. Customers should select the desired male inlet and female receptacle part numbers. Then matching accessories such as handles, angles, and junction boxes should be identified and added to the order to create plugs, connectors, or other configurations. This modular system allows MELTRIC to build and ship product to customer specifications in a very short time - 90% of orders ship by the next business day.





EXAMPLE

EXAMPLE

TYPICAL ORDER

	63-34047	Female Receptacle
	512M3	Angle Adapter for Female
	63-38047	Male Inlet
	512P0D21	Handle for Male

SWITCH-RATED
Plugs & Receptacles

THE MAIN DIFFERENCES

DECONTACTOR™ Technology

Pressing the pawl/button on the receptacle will safely switch off power to the load. The plug can then be withdrawn in complete safety. (Cutaway model shown for illustration purposes)

Like most MELTRIC products, Switch-Rated plugs and receptacles feature (see pgs 7-8)

- Spring-loaded butt contacts
- Silver-nickel contact materials
- Dead-front design
- Enclosed arc chambers
- Spring-assisted terminals
- Auxiliary contacts

MELTRIC Switch-Rated plugs and receptacles have additional features, including:

- UL & CSA switch-ratings
- Horsepower ratings
- Short circuit ratings up to 100 kA in fuse protected circuits

Switch and HP Ratings

MELTRIC Switch-Rated products are a combination plug, receptacle and non-fusible disconnect switch in the same device. Their integral switch technology ensures the safe breaking of resistive and inductive loads (up to 100 hp or 200 A) before an operator can physically remove the plug from the receptacle.

They are UL and CSA approved for both "branch circuit" and "motor circuit" disconnect switching, making them ideal for connecting motors, welding machines and virtually any other electrical equipment.

Short Circuit Ratings

MELTRIC Switch-Rated plugs and receptacles help ensure worker safety even in fault conditions. They are rated to close into and withstand short circuit currents of up to 100 kA. The protection far surpasses that offered by other plugs and receptacles, and even surpasses the short circuit protection offered by most manual motor controllers and mechanical interlocks.

To match the functionality of a Switch-Rated device, it would take a pin and sleeve plug plus a non-fused safety switch.

UL & CSA Standards
Test requirements and ratings comparison table

To achieve their UL 2682 switch ratings, MELTRIC Switch-Rated plugs and receptacles have passed tests that far exceed those of ordinary plugs and receptacles. These tests include horsepower/locked rotor overload tests from the UL 508 standard for Industrial Control Equipment and electrical endurance and short-circuit make-and-withstand testing from the UL 98 standard for Enclosed and Dead-front Switches.

To illustrate how the electrical and mechanical endurance of MELTRIC Switch-Rated plugs and receptacles far exceeds standard plugs, the following chart compares the test requirements for achieving a Switch-Rated plug & receptacle listing with those required for a standard pin and sleeve plug & receptacle listing.

Test	UL 1682 & CSA 22.2 No. 182.1		UL Subject 2682 (used for both UL & CSA listings)
	Plugs, Receptacles & Cable Connectors of the Pin & Sleeve Type		Switch-Rated Plugs & Receptacles
	Non-Current Interrupting (minimum requirements)	Current Interrupting (minimum requirements)	Motor Circuit/Branch Circuit Disconnect Switching (Tests passed by MELTRIC devices)
Temperature Rise	< 30°C	< 30°C	< 30°C
Voltage Withstand	3,000 VAC for 1 Minute	3,000 VAC for 1 Minute	3,000 VAC for 1 Minute
Overload General Use Devices	3 Operations @ 150% Rated Current (p.f. = .75 - .80)	50 Operations @ 150% Rated Current (p.f. = .75 - .80)	50 Operations @ 150% Rated Current (p.f. = .75 - .80)
Mechanical Endurance (Plus Req'd Electrical Opns)	15-20 A = 5000 Operations 21-63 A = 2000 Operations 64-250 A = 250 Operations	15-20 A = 0 Operations 21-63 A = 1000 Operations 64-250 A = 500 Operations	4000 Cycles
Electrical Endurance (with load)	–	15-20 A = 5000 Operations 21-63 A = 1000 Operations[1] 64-250 A = 250 Operations[1] @ Rated Current & Voltage (p.f. = .75 - .80)	6000 Operations @ Rated Current & Voltage (p.f. = .75 - .80)
Overload - Locked Rotor (Horsepower Rated Devices)	–	50 Operations @ 600% of Full Load Motor Current (p.f. = .40 - .50)	50 Operations @ 600% of Full Load Motor Current (p.f. = .40 - .50)
Short Circuit Withstand	–	≥ 10 kA+ (600 V and ≤ .50 power factor)	≥ 10 kA+ (600 V and ≤ .50 power factor)
Short Circuit Closing	–	–	≥ 10 kA+ (600 V and ≤ .50 power factor)

1 Testing alternates between mechanical & electrical operations. This reduces the severity of the electrical test by allowing additional cooling time during electrical testing.

\+ All MELTRIC Switch-Rated devices (except DS200) are UL listed with short circuit ratings of at least 65kA achieved at 600VAC and ≤ .15 power factor. See page 258 for specific ratings and associated fusing for each model

BENEFITS OF USING MELTRIC SWITCH-RATED DEVICES

Ensure Worker Safety

Switch-Rated plugs and receptacles ensure safety by eliminating hazards associated with pin and sleeve and twist-type devices.

- The integral switching function ensures that the plug contacts are de-energized before an operator can remove the plug from the receptacle. The dead-front design prevents unintended access to live parts.
- Spring-loaded, silver-nickel butt-style contacts maintain proper contact force, withstand arcing, resist wear, and maintain low contact resistance. This ensures the integrity of the connection over thousands of operations and eliminates performance and safety problems common to plugs with brass contacts.
- Spring-loaded plug and receptacle disengagement with push button operation ensures fast and easy load breaking, which minimizes arcing during disconnection. Enclosed arc chambers eliminate arc flash hazards.
- Horsepower, switch, and short-circuit ratings provide additional protection during locked-rotor or other significant overload situations.

Simplify Code Compliance

Switch-Rated devices provide a simple and cost-effective means of helping facilities to achieve compliance with the National Electrical Code and NFPA 70E.

NEC Compliance

Articles 430.101 to 430.113 of the National Electrical Code regulate the means of motor disconnection (Canadian Electrical Code section 28-600–28-604). They require motors to have readily accessible, 'line of sight' disconnects that are an approved switch or a properly rated plug and receptacle.

- ***430.102*** *A disconnecting means must be located in sight of the motor and driven equipment.*
- ***430.107*** *The disconnecting means must be readily accessible.*
- ***430.109*** *The disconnecting means may be an approved switch or horsepower rated plug and receptacle.*

MELTRIC Switch-Rated plugs and receptacles are both horsepower and Switch-Rated. They can function as a 'line of sight' disconnect in addition to providing a convenient plug and play power connection for the motor. Installing a Switch-Rated device eliminates the need for an auxiliary disconnect switch.

NFPA 70E (CSA Z462)

This OSHA consensus standard covers electrical safety-related work practices and procedures for employees who work on or near exposed energized electrical conductors or other live circuit parts. Relevant requirements include:

Power must be proven to be off before work can be performed. This requires:

- The safe interruption of the load and opening of the disconnect
- Visual verification/voltage testing to ensure de-energization

The potential electrical hazard must be identified and documented.

- An arc flash risk assessment must be performed
- Flash protection boundaries must be determined

Appropriate steps must be taken to protect persons working near live parts or within the flash protection boundary.

- PPE must be worn based on incident energy exposure levels (cal/cm2)
- Only properly qualified persons are allowed to perform work

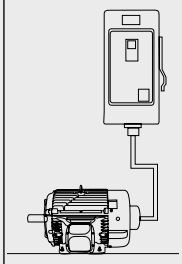
...THROUGHOUT YOUR FACILITY

Wiring and connection systems utilizing conventional switches and/or pin & sleeve devices would typically require all of the previously listed protective measures to comply with NFPA 70E or CSA Z462. By using MELTRIC Switch-Rated plugs and receptacles to connect equipment, users can very simply comply with these requirements.

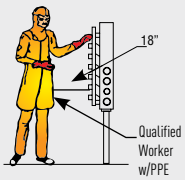
Switch ratings ensure the safe interruption of the load. Visual verification that the power is off is provided when the plug is removed from the receptacle. A dead-front design prevents an operator from being exposed to live parts, eliminating the need to perform hazard analysis, establish flash protection boundaries and use electrical personal protective equipment.

A Comparison of the Motor Change-Out Process

MOTOR HARDWIRED TO A BLADED DISCONNECT SWITCH



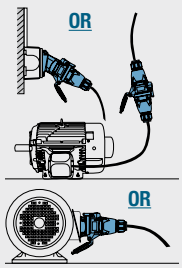
The disconnect switch may be difficult to install in 'line of sight' of the motor.



MOTOR CHANGE-OUT PROCESS

1. Switch disconnect to OFF position
2. Apply lockout/tagout
3. Perform Shock/Arc Flash Risk Assessment
4. Obtain permit for energized electrical work
5. Suit up with appropriate PPE
6. Remove the disconnect switch cover
7. Voltage test to verify de-energization
8. Disconnect motor from hardwiring
9. Remove old/install new motor
10. Connect new motor to hardwiring
11. Jog the motor to ensure proper rotation

MOTOR CONNECTED WITH A MELTRIC MOTOR PLUG



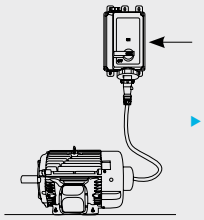
- **Cord connection allows easy 'line of sight' location**
- **Dead-front eliminates access to live parts and need for cumbersome PPE**
- **Ability to safely make & break under load eliminates the need for interlocks**
- **≥10kA short circuit make-and-withstand rating ensures safety during reenergization**

MOTOR CHANGE-OUT PROCESS

1. **Depress the pawl on the receptacle to break the circuit**
2. **Mechanic removes plug from receptacle**
3. **Apply lockout/tagout as required**
4. **Mechanic removes old/installs new motor**
5. **Mechanic inserts plug into receptacle**

MELTRIC Makes it Safe & Easy

MOTOR CONNECTED WITH A COMPETING PLUG & RECEPTACLE



- Expensive mechanical interlocks are required since these plugs & receptacles cannot safely make & break under load
- The interlock must be mounted on a fixed surface this may make 'line of sight' location more difficult

MOTOR CHANGE-OUT PROCESS

1. Open interlock switch
2. Determine PPE requirements and obtain permit for electrical work
3. Remove interlock cover
4. Verify de-energization with a voltmeter test
5. Remove plug
6. Apply lockout/tagout as required
7. Remove old/install new motor
8. Insert plug into receptacle

Reduce Equipment and Installation Costs

The ability of MELTRIC Switch-Rated devices to safely make and break under full load eliminates the need for the expensive interlocks that are required with pin and sleeve devices. Their ability to function as the NEC required 'line of sight' disconnect switch eliminates the need for auxiliary disconnect switches. Optional pilot contacts can eliminate the need of auxiliary connectors in control circuits.

Reduce Equipment Change-out Downtime and Cost

Using MELTRIC Switch-Rated plugs and receptacles to connect motors and other equipment instead of hardwiring can help reduce equipment change-out time by as much as 50%. With new motors pre-wired with MELTRIC plugs or inlets, the only electrical connection required during the change-out will be to plug in the new motor. Thus, a mechanic will be able to perform the change-out without the immediate aid of an electrician. This avoids the inconvenience of scheduling an electrician for a service call eliminating extra downtime required to do the wiring. The pre-wiring of replacement motors with MELTRIC plugs or inlets can be done off-site and during the convenience of non-downtime periods. This makes MELTRIC plugs and receptacles an ideal choice for 'plug and play' and modular process applications.

SELECTING THE RIGHT MELTRIC SWITCH-RATED PLUG & RECEPTACLE

All SWITCH-RATED devices (DSN and DS) feature DECONTACTOR™ Technology:

- UL and CSA switch-ratings
- Short circuit closing and withstand protection (10 kA to 100 kA)

- Silver-nickel contact material
- Spring-loaded, butt-style contacts

- Dead-front safety shutter
- Optional auxiliary contacts

DSN Series
(pages 25-40)

Choose DSN Series for its...

- Compact, lightweight design
- Automatic Type 4X/IP69/IP69k watertightness
- High HP Ratings (up to 75 hp)

Common Applications

- Wet or washdown environments
- Plug & play electrical connections

DS Series
(pages 41-58)

Choose DS Series for its...

- Amperage range (up to 200 A)
- Poly or metal casing materials (60 A and above)
- Larger conductor capacities
- High HP Ratings (up to 100 hp)

Common Applications

- Heavy industry
- High amperage equipment

DSN Models and Ratings

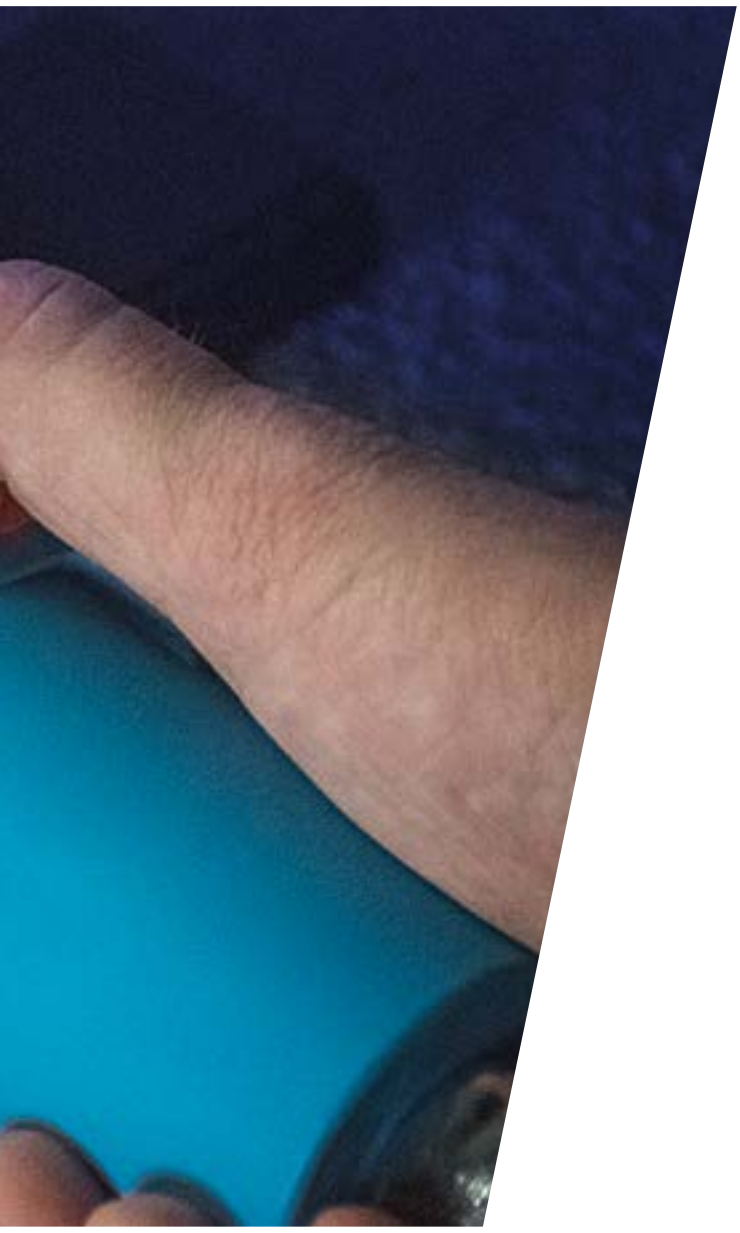
Model	Casing Material	Maximum Voltage (VAC)	Amperage Rating	Maximum Number of Contacts		Environmental Rating	Maximum Horsepower Rating	
				Main	Auxiliary		480 VAC	600 VAC
DSN20	Poly	600 VAC	20 A	3P+N+G	2 pilots	Type 4X/IP69/IP69K	7.5 hp	7.5 hp
DSN30	Poly	600 VAC	30 A	3P+N+G	2	Type 4X/IP69/IP69K	15 hp	15 hp
DSN60	Poly	600 VAC	60 A	3P+N+G	4	Type 4X/IP69/IP69K	20 hp	20 hp
DSN100	Poly or Metal	600 VAC	100 A	3P+N+G	4	Type 4X/IP69/IP69K	50 hp	50 hp
DSN150	Poly or Metal	600 VAC	150 A	3P+N+G	6	Type 4X/IP69/IP69K	75 hp	75 hp

DS Models and Ratings

Model	Casing Material	Maximum Voltage (VAC)	Amperage Rating	Maximum Number of Contacts		Environmental Rating	Maximum Horsepower Rating	
				Main	Auxiliary		480 VAC	600 VAC
DS20	Poly	600 VAC	20 A	3P+N+G	2	Type 3R	7.5 hp	10 hp
DS30	Poly	600 VAC	30 A	3P+N+G	4	Type 3R	15 hp	15 hp
DS60	Poly or Metal	600 VAC	60 A	3P+N+G	4	Type 4X/IP69/IP69K	25 hp	25 hp
DS100C	Poly or Metal	600 VAC	100 A	3P+N+G	4	Type 4X/IP69/IP69K	50 hp	50 hp
DS100	Poly or Metal	600 VAC	100 A	3P+N+G	6	Type 4X/IP69/IP69K	30 hp	–
DS200	Metal	600 VAC	200 A	3P+N+G	6	Type 4X/IP69/IP69K	100 hp	100 hp

SWITCH-RATED
Plugs & Receptacles

MELTRIC's Switch-Rated product line featuring DECONTACTOR™ technology, includes devices rated from 20 amps to 200 amps. An integral switch mechanism enables workers to safely connect and disconnect motors, welding machines and other industrial equipment.



DSN P. 25

COMPACT SIZE WITH IP69K WATERTIGHTNESS

- 20 A to 150 A (up to 75 hp)
- Automatic Type 4X/IP69/IP69K watertightness

DS P. 41

LARGER WIRING CAPACITY AND METAL CASINGS

- 20 A to 200 A, Type 3R (4X optional)
- Poly or metal casings (60 A and above for metal)
- Larger conductor capacities

DSN Switch-Rated Plug and Receptacle with Type 4X/IP69/IP69K protection

Main Advantages

- Switch & hp rated
- 100 kA short circuit rated*
- Type 4X/IP69/IP69K or IP66/IP67
- Compact, lightweight design
- Up to 6 auxiliary contacts

* See note under General Ratings on the next page.

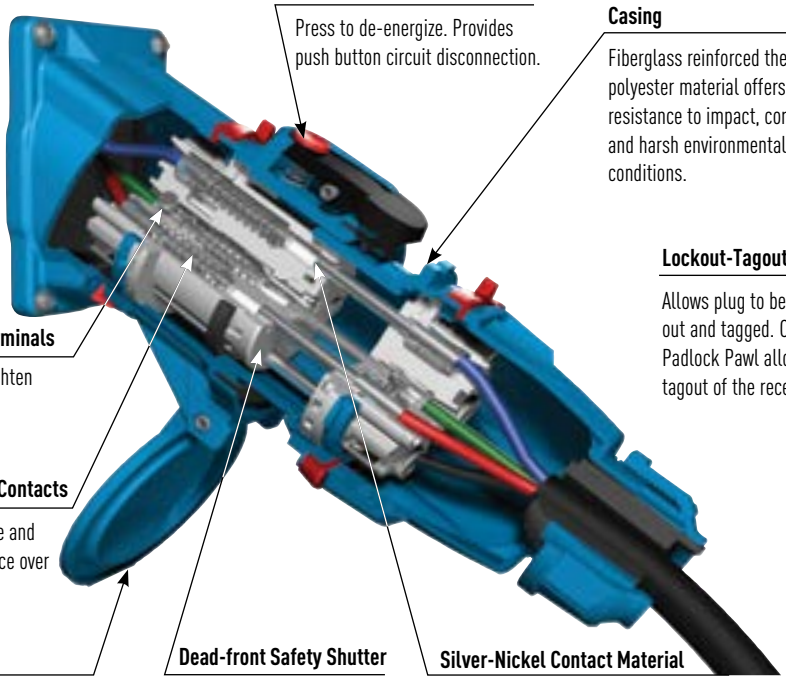
Highlighted Advantage

Simplify Compliance to NFPA 70E & CSA Z462 see pgs 19-20 for more information.

- Features and Ratings p. 26
- DSN20 p. 27
- DSN30 p. 29
- DSN60 p. 31
- DSN100 p. 33
- DSN150 p. 35
- Spare Parts p. 37
- Dimensions p. 39

PRODUCT FEATURES

DECONTACTOR™ Technology



OFF Button

Press to de-energize. Provides push button circuit disconnection.

Casing

Fiberglass reinforced thermoplastic polyester material offers great resistance to impact, corrosion, and harsh environmental conditions.

Lockout-Tagout Provisions

Allows plug to be easily locked out and tagged. Optional Padlock Pawl allows lockout/tagout of the receptacle.

Spring Assisted Screw Terminals

Patented design ensures "Tighten and Forget" confidence.

Spring-Loaded Butt-Style Contacts

Ensures optimal contact force and superior electrical performance over thousands of operations.

Lid

Provides additional protection in harsh environments.

Dead-front Safety Shutter

Ensures safety by preventing user access to live parts.

Silver-Nickel Contact Material

Solid silver-nickel contact surfaces provide superior conductivity, durability and corrosion resistance.

General Ratings

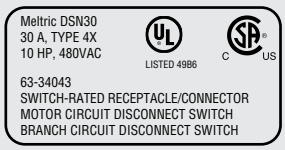
Amperage	20 to 150 A
Voltage	600 VAC
Frequency	50-400 Hz
Horsepower	.75 to 75 hp
Short-Circuit (Make & Withstand)	100 kA*
Environmental	Type 4X/IP69/IP69K
Temperature	min -40°F/max 140°F

* DSN20, DSN30, DSN60, DSN100: Testing was performed with RK1 current limiting fuses sized at 400% or more of the highest full load motor ampacity associated with the devices horsepower ratings.

* DSN150: 100 kA testing was performed with 225 A RK1 non-time delay Mersen fuses. 10 kA testing was performed with 400 A RK1 non-time delay Mersen fuses.

Highlighted Feature

Typical Device Labels



MELTRIC DSN Series Switch-Rated devices are UL & CSA rated for "motor circuit" and "branch circuit" disconnect switching – up to 75 hp and up to 150 A.

Listings

Category	UL	CSA	IEC
Plugs and Receptacles	UL 1682	C22.2 No. 182.1	60309-1
Branch Circuit Disconnect Switching (AC only)	UL Subject 2682 (Performance tests from UL 98)	UL Subject 2682	60947-3, AC22, AC23
Motor Circuit Disconnect Switching (AC only)	UL Subject 2682 (Performance tests from UL 98)	UL Subject 2682	60947-3, AC22, AC23

CE ratings available upon request. / NOM ratings available upon request.

Operating Instructions

When the plug and receptacle are latched together the circuit is connected.

Pressing the pawl breaks the connection and opens the circuit. The plug is ejected to its rest position; the contacts are now de-energized.

Rotating the de-energized plug 30° counterclockwise closes the safety shutter and frees the plug to be withdrawn from the receptacle.

The plug and the receptacle are separated. The safety shutter prevents access to live parts.

5 To reconnect, insert plug into receptacle, rotate 30° clockwise, and apply insertion force.

DSN20 Switch-Rated Plugs & Receptacles – 20 A

UL/CSA Ratings

- **Max Amperage & Voltage**
  20 A, 600 VAC
- **Switch-Rating (AC Only)**
  Branch Circuit & Motor Circuit Disconnect Switching
- **Horsepower Ratings**

120 V	1Ø	.75 hp
240 V	1Ø	2 hp
208 V	3Ø	3 hp
240 V	3Ø	3 hp
480 V	3Ø	7.5 hp
600 V	3Ø	7.5 hp

- **Short Circuit Rating**
  100 kA Close & Withstand
  Testing was performed with 35 A RK1 non-time delay Mersen fuses.
  10 kA Close & Withstand
  Testing was performed with 50 A RK1 non-time delay Mersen fuses.
- **Environmental Ratings**
  Type 4X/IP69/IP69K*
  *Also meets IP66/IP67 requirements.
- **Temperature Range**
  Min -40°F / Max 140°F
  See pg 266 for temps below -15°F.
- **Wiring Capacity**
  Min 14 AWG Max 12 AWG
  Aux Contacts - 18 AWG prewired
- **Certifications**
  UL 2682, UL 1682, CSA 182.1

Receptacle (female)

Inlet (male)

Don't forget to add installation accessories to your order

North American UL/CSA Configurations

Voltage	Polarity	Part # Poly	Part # Poly
120 V	1P+N+G	63-14125-K16•	63-18125-K16•
120 208 V	3P+N+G	63-14127-K16•	63-18127-K16•
125 V	1P+N+G	63-14075	63-18075
125 250 V	2P+N+G	63-14076	63-18076
208 V	2P+G	63-14122-K16•	63-18122-K16•
208 V	3P+G	63-14123-K16•	63-18123-K16•
250 V	2P+G	63-14072	63-18072
250 V	3P+G	63-14073	63-18073
277 V	1P+N+G	63-14045	63-18045
277 480 V	3P+N+G	63-14047	63-18047
347 600 V	3P+N+G	63-14147	63-18147
480 V	2P+G	63-14042	63-18042
480 V	3P+G	63-14043	63-18043
600 V	2P+G	63-14142	63-18142
600 V	3P+G	63-14143	63-18143

For international configurations and ratings (IEC,CE) visit meltric.com/international-catalog or contact Customer Service at 800-433-7642.

Main Options

Mushroom Pawl

Padlock Pawl

Closed Lid Configuration
Recommended for cord applications to keep lid tucked in to avoid damage.

Receptacle Options	Suffix #	Inlet Options	Suffix #
With Shunt Contact	Recept # -972+	Self-Ejecting Plug Release**	Inlet # -338
Straight Insertion	Recept # -352~	With No Lockout Hole	Inlet # -A155
Self-Ejecting Connector Release**	Recept # -354~		
Mushroom Pawl	Recept # -375		
Padlock Pawl	Recept # -843		
Padlockable Mushroom Pawl	Recept # -375-843		
Metal Pawl	Recept # -824		
Closed Lid Configuration	Recept # -NC		

• Notice: Product has changed and will not mate with prior 63-1416x and 63-1816x 120 V and 208 V configurations. Please contact customer service if product will be used with devices purchased prior to January 31, 2021.

Notes: + Unlike other DSN & DS products, the DSN20 pilots are only on the receptacle side and create a continuity loop that is completed when a plug is connected to the receptacle.

** For self-ejecting connectors and plugs, a -443 suffix must be added to the handle part number. See pages 251-252 for more information.
~ Standard closed lid configuration.

See pages 243-252 for detailed information on these options

Order Example: 480 V DSN20 with padlock pawl
DSN20 Receptacle 3P+G = 63-14043-***843***

INSTALLATION ACCESSORIES – SIZE 1

HANDLES

HANDLE w/NPT		Part # Poly	Part # Metal
Poly / Metal	1/2"	511P0N05	791P0N05L
	3/4"	511P0N07	791P0N07L
	1"	511P0N10	791P0N10L

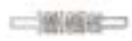
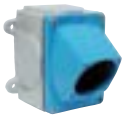
For available cord grips, see page 169. Add-443 for self-ejecting.

POLY HANDLE w/CORD GRIP	Cable Range	Part #
	.350 - .520"	711P0BP6
	.520 - .680"	711P0CP5
	.680 - .980"	711P0DP4
METAL HANDLE w/CORD GRIP		
	.438 - .500"	791P0BS3L
	.500 - .562"	791P0BS4L
	.562 - .625"	791P0CS1L
	.625 - .750"	791P0CS4L
POLY HANDLE		
	.35 - .70"	511P0D18
POLY EXTENDED HANDLE		
	.20 - .82"	511P0D21
POLY ANGLED HANDLE		
	.35 - .70"	511P6D18

ANGLES

POLY ANGLE			
	MB Box 30°	511M3	
	70°	511M7	Panel mounting only.
METAL ANGLE			
	0°	591M0	
	FS/FD Box 30°	791M3FS	* Base measures approximately 4.2" x 2.7". Due to the variation in sizes of FS boxes, please verify that your FS box matches our dimensions, if not call Customer Service for other solutions.
	45°	591M4	

BOXES

POLY CONDUIT ENTRY w/NPT			Part #	
* 6.7 in³	30°	1/2"	511B3N05	* Interior volume with receptacle installed.
	30°	3/4"	511B3N07	
POLY WALL BOX w/ANGLE				
* 82.0 in³	70°		511C7000	70° poly boxes are not drilled. Contact Customer Service if factory drilled is required.
		Ground Bar	51AA089	* Interior volume with receptacle installed.
POLY ANGLE WITH METAL BOX w/NPT				
* 74.6 in³	70°	1/2"	711C7N05	* Interior volume with receptacle installed.
	70°	3/4"	711C7N07	
	70°	1"	711C7N10	
	70°	1 1/4"	711C7N12	
	70°	1 1/2"	711C7N15	
METAL BOX w/NPT				
	0°	1/2"	7T1F0N05	
	0°	3/4"	7T1F0N07	
	0°	1"	7T1F0N10	
	0°	1 1/4"	7T1F0N12	
POLY ANGLE WITH METAL BOX w/NPT				
 * 29.8 in³	30°	1/2"	711C3N05	* Interior volume with receptacle installed.
	30°	3/4"	711C3N07	
	30°	1"	711C3N10	
	30°	1 1/4"	711C3N12	

NPT on top or bottom (if rotated). For other NPT configurations, contact Customer Service.

MISCELLANEOUS ACCESSORIES

FINGER DRAWPLATES		
	61-1A346	Set of Two (2) Recommended for cord to cord assembly applications, for easier connector closure.
PROTECTIVE INLET/PLUG CAP		
	61-1A426	For Inlets/Plugs Only.
PADLOCKABLE INLET/PLUG CAP		
	61-1A826	For Inlets/Plugs Only.
SCREWDRIVER FOR TERMINAL SCREWS		
	SD18	Klein 608-3 1/8" cabinet with 3" round shank.
EASY RETROFIT ADAPTER PLATES		
	see pg 166	Mount to existing boxes.
RECEPTACLE LOCKING PIN		
	LP-843	Requires Padlockable Pawl option (-843) on receptacle.

DSN30 Switch-Rated Plugs & Receptacles – 30 A

UL/CSA Ratings

- **Max Amperage & Voltage**
  30 A, 600 VAC
- **Switch-Rating (AC Only)**
  Branch Circuit & Motor Circuit Disconnect Switching
- **Horsepower Ratings**

120 V	1Ø	2 hp
240 V	1Ø	3 hp
208 V	3Ø	5 hp
240 V	3Ø	5 hp
480 V	3Ø	15 hp
600 V	3Ø	15 hp

- **Short Circuit Rating**
  100 kA Close & Withstand
  Testing was performed with RK1 current limiting fuses sized at 400% of the highest full load motor ampacity associated with the devices hp rating.
- **Environmental Ratings**
  Type 4X/IP69/IP69K*
  *Also meets IP66/IP67 requirements.
- **Temperature Range**
  Min -40°F/Max 140°F
  See pg 266 for temps below -15°F.
- **Wiring Capacity**
  Min 14 AWG Max 8 AWG
  Aux Contacts - 14 AWG
- **Certifications**
  UL 2682, UL 1682, CSA 182.1

Receptacle (female)

Inlet (male)

! Don't forget to add installation accessories to your order

North American UL/CSA Configurations

Voltage	Polarity	Part # Poly	Part # Poly
120 V	1P+N+G	63-34165	63-38165
120 208 V	3P+N+G	63-34167	63-38167
125 V	1P+N+G	63-34075	63-38075
125 250 V	2P+N+G	63-34076	63-38076
208 V	2P+G	63-34162	63-38162
208 V	3P+G	63-34163	63-38163
250 V	2P+G	63-34072	63-38072
250 V	3P+G	63-34073	63-38073
277 V	1P+N+G	63-34045	63-38045
277 480 V	3P+N+G	63-34047	63-38047
347 600 V	3P+N+G	63-34147	63-38147
480 V	2P+G	63-34042	63-38042
480 V	3P+G	63-34043	63-38043
600 V	2P+G	63-34142	63-38142
600 V	3P+G	63-34143	63-38143

For international configurations and ratings (IEC,CE) visit meltric.com/international-catalog or contact Customer Service at 800-433-7642.

Main Options

Auxiliary/Pilot Contacts

Mushroom Pawl

Padlock Pawl

Closed Lid Configuration
Recommended for cord applications to keep lid tucked in to avoid damage.

Receptacle Options	Suffix #	Inlet Options	Suffix #
With 2 Auxiliary/Pilot Contacts	Recept # -972	With 2 Auxiliary/Pilot Contacts	Inlet # -972
Straight Insertion	Recept # -352~	Self-Ejecting Plug Release**	Inlet # -338
Self-Ejecting Connector Release**	Recept # -354~	With No Lockout Hole	Inlet # -A155
Mushroom Pawl	Recept # -375	For Auxiliary Switch	Inlet # -270
Padlock Pawl	Recept # -843		
Padlockable Mushroom Pawl	Recept # -375-843		
Metal Pawl	Recept # -824		
Closed Lid Configuration	Recept # -NC		
With Auxiliary Switch	Recept # -270+		

Notes: + Not UL/CSA listed.

Notes:
** For self-ejecting connectors and plugs, a -443 suffix must be added to the handle part number. See pages 251-252 for more information.
~ Standard closed lid configuration.

! See pages 243-252 for detailed information on these options

Order Example: 480 V DSN30 + 2 auxiliary contacts
DSN30 Inlet 3P+G = 63-38043-***972***

INSTALLATION ACCESSORIES – SIZE 2

HANDLES

HANDLE w/NPT		Part # Poly	Part # Metal
Poly / Metal	1/2"	512P0N05	592P0N05
	3/4"	512P0N07	592P0N07
	1"	512P0N10	592P0N10
	1 1/4"	512P0N12	–

For available cord grips, see page 169. Add -443 for self-ejecting.

POLY HANDLE w/CORD GRIP	Cable Range	Part #
	.350 - .520"	712P0BP6
	.520 - .680"	712P0CP5
	.680 - .980"	712P0DP4
	.980 - 1.260"	712P0EP4

METAL HANDLE w/CORD GRIP		
	.438 - .500"	792P0BS3
	.500 - .562"	792P0BS4
	.562 - .625"	792P0CS2
	.625 - .750"	792P0CS4
	.750 - .875"	792P0DS1
	.875 - 1.000"	792P0DS3

POLY HANDLE		
	.20 - .82"	512P0D21

POLY HANDLE w/CLAMP & BUSHING		
	.750 - .875"	712P0S14
	.875 - 1.000"	712P0S16
	1.000 - 1.125"	712P0S18
	1.125 - 1.250"	712P0S20
	1.250 - 1.375"	712P0S22

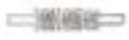
ANGLES

POLY ANGLE			
	30°	512M3	
	70°	512M7	Panel mounting only.

METAL ANGLE			
	0°	592M0	
	30°	592M3	
	FS/FD Box 30°	792M3FS	* Base measures approximately 4.2" x 2.7". Due to the variation in sizes of FS boxes, please verify that your FS box matches our dimensions, if not call Customer Service for other solutions.

BOXES

POLY CONDUIT ENTRY w/NPT			Part #	
* 8.5 in³	30°	1/2"	512B3N05	* Interior volume with receptacle installed.
	30°	3/4"	512B3N07	

POLY WALL BOX w/ANGLE				
* 82.0 in³	70°		512C7000	70° poly boxes are not drilled. Contact Customer Service if factory drilled is required. * Interior volume with receptacle installed.
		Ground Bar	51AA089	

POLY ANGLE w/METAL WALL BOX w/NPT				
* 74.6in³	70°	1/2"	712C7N05	* Interior volume with receptacle installed.
	70°	3/4"	712C7N07	
	70°	1"	712C7N10	
	70°	1 1/4"	712C7N12	
	70°	1 1/2"	712C7N15	

METAL BOX w/NPT			
	0°	1/2"	7T1F0N05
	0°	3/4"	7T1F0N07
	0°	1"	7T1F0N10
	0°	1 1/4"	7T1F0N12

POLY ANGLE w/METAL BOX w/NPT				
* 28.7 in³	30°	1/2"	712C3N05	* Interior volume with receptacle installed.
	30°	3/4"	712C3N07	
	30°	1"	712C3N10	
	30°	1 1/4"	712C3N12	

NPT on top or bottom (if rotated). For other NPT configurations, contact Customer Service.

MISCELLANEOUS ACCESSORIES

FINGER DRAWPLATES		
	61-3A346	Set of Two (2) Recommended for cord to cord assembly applications, for easier connector closure.

PROTECTIVE INLET/PLUG CAP		
	61-3A426	For Inlets/Plugs Only.

PADLOCKABLE INLET/PLUG CAP		
	61-3A826	For Inlets/Plugs Only.

SPRING-LOADED PADLOCKABLE INLET/PLUG CAP		
	61-3A226	Metal – For Inlets/Plugs Only. -A155 suffix required to maintain water ingress protection.

SCREWDRIVER FOR TERMINAL SCREWS		
	SD18	Klein 608-3 1/8" cabinet with 3" round shank.

RECEPTACLE LOCKING PIN		
	LP-843	Requires Padlockable Pawl option (-843) on receptacle.

DSN60 Switch-Rated Plugs & Receptacles – 60 A

UL/CSA Ratings

- **Max Amperage & Voltage**
  60 A, 600 VAC
- **Switch-Rating (AC Only)**
  Branch Circuit & Motor Circuit Disconnect Switching
- **Horsepower Ratings**

120 V	1Ø	2 hp
240 V	1Ø	3 hp
208 V	3Ø	7.5 hp
240 V	3Ø	7.5 hp
480 V	3Ø	20 hp
600 V	3Ø	20 hp

- **Short Circuit Rating**
  100 kA Close & Withstand
  Testing was performed with RK1 current limiting fuses sized at 400% of the highest full load motor ampacity associated with the devices hp rating.
- **Environmental Ratings**
  Type 4X/IP69/IP69K*
  *Also meets IP66/IP67 requirements.
- **Temperature Range**
  Min -40°F/Max 140°F
  See pg 266 for temps below -15°F.
- **Wiring Capacity**
  Min 14 AWG Max 4 AWG
  Aux Contacts - Max 14 AWG
- **Certifications**
  UL 2682, UL 1682, CSA 182.1

Receptacle (female)

Inlet (male)

! Don't forget to add installation accessories to your order

North American UL/CSA Configurations

Voltage	Polarity	Part # Poly	Part # Poly
120 V	1P+N+G	63-64165	63-68165
120 208 V	3P+N+G	63-64167	63-68167
125 V	1P+N+G	63-64075	63-68075
125 250 V	2P+N+G	63-64076	63-68076
208 V	2P+G	63-64162	63-68162
208 V	3P+G	63-64163	63-68163
250 V	2P+G	63-64072	63-68072
250 V	3P+G	63-64073	63-68073
277 V	1P+N+G	63-64045	63-68045
277 480 V	3P+N+G	63-64047	63-68047
347 600 V	3P+N+G	63-64147	63-68147
480 V	2P+G	63-64042	63-68042
480 V	3P+G	63-64043	63-68043
600 V	2P+G	63-64142	63-68142
600 V	3P+G	63-64143	63-68143

For international configurations and ratings (IEC,CE) visit meltric.com/international-catalog or contact Customer Service at 800-433-7642.

Main Options

Auxiliary/Pilot Contacts

Mushroom Pawl

Padlock Pawl

Closed Lid Configuration
Recommended for cord applications to keep lid tucked in to avoid damage.

Receptacle Options	Suffix #	Inlet Options	Suffix #
With 2 Auxiliary/Pilot Contacts	Recept # -972	With 2 Auxiliary/Pilot Contacts	Inlet # -972
With 3 Auxiliary/Pilot Contacts	Recept # -973	With 3 Auxiliary/Pilot Contacts	Inlet # -973
With 4 Auxiliary/Pilot Contacts	Recept # -974	With 4 Auxiliary/Pilot Contacts	Inlet # -974
Straight Insertion	Recept # -352~	Self-Ejecting Plug Release**	Inlet # -338
Self-Ejecting Connector Release**	Recept # -354~	With No Lockout Hole	Inlet # -A155
Mushroom Pawl	Recept # -375	For Auxiliary Switch	Inlet # -270
Padlock Pawl	Recept # -843		
Padlockable Mushroom Pawl	Recept # -375-843		
Metal Pawl	Recept # -824		
Closed Lid Configuration	Recept # -NC		
With Auxiliary Switch	Recept # -270+		

Notes: + Not UL/CSA listed.
** For self-ejecting connectors and plugs, a -443 suffix must be added to the handle part number. See pages 251-252 for more information.
~ Standard closed lid configuration.

! See pages 243-252 for detailed information on these options

Order Example: 480 V DSN60 + 2 auxiliary contacts
DSN60 Inlet 3P+G = 63-68043-***972***

INSTALLATION ACCESSORIES – SIZE 3

Unless indicated otherwise, accessories can be used with either poly or metal plugs and receptacles.

HANDLES

HANDLE w/NPT		Part # Poly	Part # Metal
Poly / Metal	1/2"	513P0N05	593P0N05
	3/4"	513P0N07	593P0N07
	1"	513P0N10	593P0N10
	1 1/4"	513P0N12	593P0N12

For available cord grips, see page 169. Add -443 for self-ejecting.

POLY HANDLE w/CORD GRIP	Cable Range	Part #
	.520 - .680"	713P0CP5
	.680 - .980"	713P0DP4
	.980 - 1.260"	713P0EP4

METAL HANDLE w/CORD GRIP		
	.625 - .750"	793P0CS4
	.750 - .875"	793P0DS1
	.875 - 1.000"	793P0DS3
	1.000 - 1.125"	793P0ES2

POLY HANDLE		
	.39 - 1.18"	513P0D30

POLY HANDLE w/BUILT IN DRAW GRIPS		
	.39 - 1.18"	513P0D30473
	Makes connector closures easier.	

POLY HANDLE w/CLAMP & BUSHING		
	.750 - .875"	713P0S14
	.875 - 1.000"	713P0S16
	1.000 - 1.125"	713P0S18
	1.125 - 1.250"	713P0S20
	1.250 - 1.375"	713P0S22

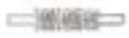
ANGLES

POLY ANGLE			
	30°	513M3	
	70°	513M7	Panel mounting only.

METAL ANGLE			
	0°	593M0	
	30°	593M3	
	FS/FD Box 30°	793M3FS	* Base measures approximately 4.2" x 2.7". Due to the variation in sizes of FS boxes, please verify that your FS box matches our dimensions, if not call Customer Service for other solutions.
	70°	593M7	

BOXES

POLY CONDUIT ENTRY w/NPT			Part #	
* 13.5 in³	30°	1/2"	513B3N05	* Interior volume with receptacle installed.
	30°	3/4"	513B3N07	
	30°	1"	513B3N10	

POLY WALL BOX w/ANGLE				
* 179.41 in³	70°		513C7000	70° poly boxes are not drilled. Contact Customer Service if factory drilled is required.
		Ground Bar	51AA089	* Interior volume with receptacle installed.

POLY ANGLE WITH METAL BOX w/NPT			
* 177.7 in³	70°	1/2"	713C7N05
	70°	3/4"	713C7N07
	70°	1"	713C7N10
	70°	1 1/4"	713C7N12
	70°	1 1/2"	713C7N15

* Interior volume with receptacle installed.

METAL BOX w/NPT		
	0° 1/2"	7T1F0N05
	0° 3/4"	7T1F0N07
	0° 1"	7T1F0N10
	0° 1 1/4"	7T1F0N12

POLY ANGLE WITH METAL BOX w/NPT			
* 29.6 in³	30°	1/2"	713C3N05
	30°	3/4"	713C3N07
	30°	1"	713C3N10
	30°	1 1/4"	713C3N12

* Interior volume with receptacle installed.

NPT on top or bottom (if rotated). For other NPT configurations, contact Customer Service.

MISCELLANEOUS ACCESSORIES

FINGER DRAWPLATES		
	61-6A346	Set of Two (2) Recommended for cord to cord assembly applications, for easier connector closure.

PROTECTIVE INLET/PLUG CAP		
	61-6A426	For Inlets/Plugs Only.

PADLOCKABLE INLET/PLUG CAP		
	61-6A826	For Inlets/Plugs Only.

SPRING-LOADED PADLOCKABLE INLET/PLUG CAP		
	61-6A226	Metal – For Inlets/Plugs Only. -A155 suffix required to maintain water ingress protection.

CORD GRIP with or w/o MESH		
	see pg 169	

RECEPTACLE LOCKING PIN		
	LP-843	Requires Padlockable Pawl option (-843) on receptacle.

DSN100 Switch-Rated Plugs & Receptacles – 100 A

UL/CSA Ratings

- **Max Amperage & Voltage**
  100 A, 600 VAC
- **Switch-Rating (AC Only)**
  Branch Circuit & Motor Circuit Disconnect Switching
- **Horsepower Ratings**

120 V	1Ø	5 hp
240 V	1Ø	10 hp
208 V	3Ø	20 hp
240 V	3Ø	20 hp
480 V	3Ø	50 hp
600 V	3Ø	50 hp

- **Short Circuit Rating**
  100 kA Close & Withstand
  Tested with RK1 current limiting fuses sized at 400% of the highest full load motor ampacity.
- **Environmental Ratings**
  Type 4X/IP69/IP69K*
  * Also meets IP66/IP67 requirements.
- **Temperature Range**
  Min -40°F/Max 140°F
  See pg 266 for temps below -15°F.
- **Wiring Capacity**
  Min 10 AWG Max 2 AWG
  Aux Contacts - Max 14 AWG
- **Certifications**
  UL 2682, UL 1682, CSA 182.1

NEW!

Receptacle (female)

Inlet (male)

! Don't forget to add installation accessories to your order

North American UL/CSA Configurations

Voltage	Polarity	Part # Poly	Part # Metal	Part # Poly	Part # Metal
120 V	1P+N+G	63-84165	69-84165	63-88165	69-88165
120 208 V	3P+N+G	63-84167	69-84167	63-88167	69-88167
125 V	1P+N+G	63-84075	69-84075	63-88075	69-88075
125 250 V	2P+N+G	63-84076	69-84076	63-88076	69-88076
208 V	2P+G	63-84162	69-84162	63-88162	69-88162
208 V	3P+G	63-84163	69-84163	63-88163	69-88163
250 V	2P+G	63-84072	69-84072	63-88072	69-88072
250 V	3P+G	63-84073	69-84073	63-88073	69-88073
277 V	1P+N+G	63-84045	69-84045	63-88045	69-88045
277 480 V	3P+N+G	63-84047	69-84047	63-88047	69-88047
347 600 V	3P+N+G	63-84147	69-84147	63-88147	69-88147
480 V	2P+G	63-84042	69-84042	63-88042	69-88042
480 V	3P+G	63-84043	69-84043	63-88043	69-88043
600 V	2P+G	63-84142	69-84142	63-88142	69-88142
600 V	3P+G	63-84143	69-84143	63-88143	69-88143

For international configurations and ratings (IEC,CE) visit meltric.com/international-catalog or contact Customer Service at 800-433-7642.

Main Options

Auxiliary/Pilot Contacts

Mushroom Pawl

Padlock Pawl

Closed Lid Configuration
Recommended for cord applications to keep lid tucked in to avoid damage.

! See pages 243-252 for detailed information on these options

Receptacle Options	Suffix #	Inlet Options	Suffix #
With 2 Auxiliary/Pilot Contacts	Recept # -972	With 2 Auxiliary/Pilot Contacts	Inlet # -972
With 3 Auxiliary/Pilot Contacts	Recept # -263	With 3 Auxiliary/Pilot Contacts	Inlet # -263
With 4 Auxiliary/Pilot Contacts	Recept # -264	With 4 Auxiliary/Pilot Contacts	Inlet # -264
Straight Insertion	Recept # -352~	Self-Ejecting Plug Release**	Inlet # -338
Self-Ejecting Connector Release**	Recept # -354~	With No Lockout Hole	Inlet # -A155
Mushroom Pawl	Recept # -375	For Auxiliary Switch	Inlet # -270+
Padlock Pawl	Recept # -843		
Padlockable Mushroom Pawl	Recept # -375-843		
Screw-Type Locking Pawl	Recept # -845		
Metal Pawl (on Poly Receptacle)	Recept # -824		
Closed Lid Configuration	Recept # -NC		
With Auxiliary Switch	Recept # -270+		

Notes: + Not UL/CSA listed.
++ Required when mating to rigid mounted male inlet.

** For self-ejecting connectors and plugs, a -443 suffix must be added to the handle part number. See pages 251-252 for more information.
~ Standard closed lid configuration.

Order Example: ***480 V DSN100 + 2 auxiliary contacts***
DSN100 Poly inlet 3P+G = 63-88043-***972***

INSTALLATION ACCESSORIES – SIZE 4

Unless indicated otherwise, accessories can be used with either poly or metal plugs and receptacles.

HANDLES

HANDLE w/NPT		Part # Poly	Part # Metal
Poly	1/2"	514P0N05	594P0N05
	3/4"	514P0N07	594P0N07
	1"	514P0N10	594P0N10
Metal	1 1/4"	514P0N12	594P0N12
	1 1/2"	514P0N15	594P0N15

For available cord grips, see page 169. Add-443 for self-ejecting.

POLY HANDLE w/CORD GRIP	Cable Range	Part #
	.680 - .980"	714P0DP4
	.980 - 1.260"	714P0EP4
	1.260 - 1.560"	714P0FP1
METAL HANDLE w/CORD GRIP		
	.750 - .875"	794P0DS1
	.875 - 1.000"	794P0DS3
	1.000 - 1.125"	794P0ES2
	1.250 - 1.375"	794P0FS1
	1.438 - 1.562"	794P0FS2*
	1.562 - 1.688"	794P0FS3*

*May require stripping of cable jacket.

POLY HANDLE		
	.51 - 1.38"	514P0D35
POLY HANDLE w/BUILT IN DRAW GRIPS		
	.51 - 1.38"	514P0D35473

Makes connector closures easier.

POLY HANDLE w/CLAMP & BUSHING		
	1.250 - 1.375"	714P0S22
	1.438 - 1.562"	714P0S25
	1.562 - 1.688"	714P0S27
	1.688 - 1.812"	714P0S29

ANGLES

POLY ANGLE					
	30°	514M3		70°	514M7 Panel mounting only.
METAL ANGLE					
	0°	594M0			
	30°	594M3			
	30°	794M3L			
	Oversized 30°	794M3	Mounts on oversize box only. Order with 7T5F0Nxx. See pg 52.		
	70°	594M7			

BOXES

POLY CONDUIT ENTRY w/NPT			Part #	
* 27.7 in³	30°	1/2"	514B3N05	For poly devices only
	30°	3/4"	514B3N07	
	30°	1"	514B3N10	* Interior volume with receptacle installed.
	30°	1 1/4"	514B3N12	
POLY WALL BOX w/ANGLE				
* 181.24 in³	70°		514C7000	70° poly boxes are not drilled. Contact Customer Service if factory drilling is required.
		Ground Bar	51AA089	* Interior volume with receptacle installed.
POLY ANGLE WITH METAL BOX w/NPT				
* 177.7 in³	70°	1/2"	714C7N05	* Interior volume with receptacle installed.
	70°	3/4"	714C7N07	
	70°	1"	714C7N10	
	70°	1 1/4"	714C7N12	
	70°	1 1/2"	714C7N15	
METAL BOX w/NPT				
	0°	1"	7T4F0N10	
	0°	1 1/4"	7T4F0N12	
	0°	1 1/2"	7T4F0N15	
	0°	2"	7T4F0N20	
POLY ANGLE WITH METAL BOX w/NPT				
* 61.0 in³ Poly Angle * 59.4 in³ Metal Angle	30°	1"	714C3N10	For metal angle, replace "71" prefix with "79".
	30°	1 1/4"	714C3N12	
	30°	1 1/2"	714C3N15	* Interior volume with receptacle installed.
	30°	2"	714C3N20	

MISCELLANEOUS ACCESSORIES

FINGER DRAWPLATES		
	31-6A346	Set of Two (2) Recommended for cord to cord assembly applications, for easier connector closure.
PROTECTIVE INLET/PLUG CAP		
	31-6A426	For Inlets/Plugs Only.
PADLOCKABLE INLET/PLUG CAP		
	DS6PC	Poly – For Inlets/Plugs Only.
	DS6MC	Aluminum – For Inlets/Plugs Only. -A155 suffix required to maintain water ingress protection.
SPRING-LOADED PADLOCKABLE INLET/PLUG CAP		
	31-6A226	For Poly Inlets/Plugs Only.
	39-6A226	For Metal Inlets/Plugs Only.

-A155 suffix required to maintain water ingress protection.

RECEPTACLE LOCKING PIN		
	LP-843	Requires Padlockable Pawl option (-843) on receptacle.

DSN150 Switch-Rated Plugs & Receptacles – 150 A

UL/CSA Ratings

- **Max Amperage & Voltage**
  150 A, 600 VAC
- **Switch-Rating (AC Only)**
  Branch Circuit & Motor Circuit Disconnect Switching
- **Horsepower Ratings**

120 V	1Ø	7.5 hp
240 V	1Ø	20 hp
208 V	3Ø	30 hp
240 V	3Ø	30 hp
480 V	3Ø	75 hp
600 V	3Ø	75 hp

- **Short Circuit Rating**
  100 kA Close & Withstand
  Testing was performed with 225 A RK1 non-time delay Mersen fuses.
  10 kA Close & Withstand
  Testing was performed with 400 A RK1 non-time delay Mersen fuses.
- **Environmental Ratings**
  Type 4X/IP69/IP69K*
  *Also meets IP66/IP67 requirements.
- **Temperature Range**
  Min -40°F/Max 140°F
  See pg 266 for temps below -15°F.
- **Wiring Capacity**
  Min 4 AWG Max 2/0 AWG
  Aux Contacts - Prewired w/14 AWG
- **Certifications**
  UL 2682, UL 1682, CSA 182.1

Receptacle (female)

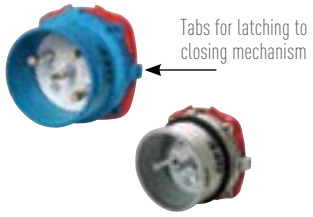
Easy Closing Mechanism

Casing opens to 180°

If you have an existing removable and/or permanently attached drawbar, contact Customer Service.

Don't forget to add installation accessories to your order

Inlet (male)



Tabs for latching to closing mechanism

North American UL/CSA Configurations

Voltage	Polarity	Part # Poly	Part # Metal	Part # Poly	Part # Metal
120 V	1P+N+G	63-94165	69-94165	63-98165	69-98165
120 208 V	3P+N+G	63-94167	69-94167	63-98167	69-98167
125 V	1P+N+G	63-94075	69-94075	63-98075	69-98075
125 250 V	2P+N+G	63-94076	69-94076	63-98076	69-98076
208 V	2P+G	63-94162	69-94162	63-98162	69-98162
208 V	3P+G	63-94163	69-94163	63-98163	69-98163
250 V	2P+G	63-94072	69-94072	63-98072	69-98072
250 V	3P+G	63-94073	69-94073	63-98073	69-98073
277 V	1P+N+G	63-94045	69-94045	63-98045	69-98045
277 480 V	3P+N+G	63-94047	69-94047	63-98047	69-98047
347 600 V	3P+N+G	63-94147	69-94147	63-98147	69-98147
480 V	2P+G	63-94042	69-94042	63-98042	69-98042
480 V	3P+G	63-94043	69-94043	63-98043	69-98043
600 V	2P+G	63-94142	69-94142	63-98142	69-98142
600 V	3P+G	63-94143	69-94143	63-98143	69-98143

For international configurations and ratings (IEC,CE) visit meltric.com/international-catalog or contact Customer Service at 800-433-7642.

Main Options

Auxiliary/Pilot Contacts

Mushroom Pawl

Padlock Pawl

Closed Lid Configuration
Recommended for cord applications to keep lid tucked in to avoid damage.

Receptacle Options	Suffix #	Inlet Options	Suffix #
With 2 Auxiliary/Pilot Contacts	Recept # -262	With 2 Auxiliary/Pilot Contacts	Inlet # -262
With 3 Auxiliary/Pilot Contacts	Recept # -263	With 4 Auxiliary/Pilot Contacts	Inlet # -264
With 4 Auxiliary/Pilot Contacts	Recept # -264	With 6 Auxiliary/Pilot Contacts	Inlet # -976
With 5 Auxiliary/Pilot Contacts	Recept # -975	Self-Ejecting Plug Release**	Inlet # -338
With 6 Auxiliary/Pilot Contacts	Recept # -976	With No Lockout Hole	Inlet # -A155
Straight Insertion	Recept # -352~	For Auxiliary Switch	Inlet # -270
Self-Ejecting Connector Release**	Recept # -354~		
Mushroom Pawl	Recept # -375		
Padlockable Mushroom Pawl	Recept # -375-843		
Screw-Type Locking Pawl	Recept # -845		
Metal Pawl (on Poly Receptacle)	Recept # -824		
Closed Lid Configuration	Recept # -NC		
With Auxiliary Switch	Recept # -270+		

Notes: + Not UL/CSA listed.
** For self-ejecting connectors and plugs, a -443 suffix must be added to the handle part number. See pages 251-252 for more information.
~ Standard closed lid configuration.

See pages 243-252 for detailed information on these options

Order Example: 480 V DSN150 + 2 auxiliary contacts
DSN150 Poly inlet 3P+G = 63-98043-***262***

INSTALLATION ACCESSORIES – SIZE 5

Unless indicated otherwise, accessories can be used with either poly or metal plugs and receptacles.

HANDLES

HANDLE w/NPT		Part # Poly	Part # Metal
Poly / Metal	3/4"	515P0N07	595P0N07
	1"	515P0N10	595P0N10
	1 1/4"	515P0N12	595P0N12
	1 1/2"	515P0N15	595P0N15
	2"	515P0N20	595P0N20

For available cord grips, see page 169. Add -443 for self-ejecting.

POLY HANDLE w/CORD GRIP	Cable Range	Part #
	.980 - 1.260"	715P0EP4
	1.260 - 1.560"	715P0FP1
	1.520 - 1.860"	715P0GP2
METAL HANDLE w/CORD GRIP		
	1.250 - 1.375"	795P0FS1
	1.438 - 1.562"	795P0FS2*
	1.562 - 1.688"	795P0FS3*
	1.688 - 1.812"	795P0GS1

*May require stripping of cable jacket.

METAL OVERSIZED HANDLE w/NPT		
	3/4"	795P0N07
	1"	795P0N10
	1 1/4"	795P0N12
	1 1/2"	795P0N15
	2"	795P0N20
	2 1/2"	795P0N25

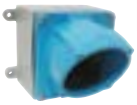
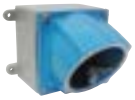
For available cord grips, see page 169.

SANTOPRENE HANDLE		
IP66/IP67	.70 - 1.000"	555P0D25
	.984 - 1.377"	555P0D35
	1.378 - 1.771"	555P0D45
POLY HANDLE w/CLAMP & BUSHING		
	1.250 - 1.375"	715P0S22
	1.438 - 1.562"	715P0S25
	1.562 - 1.688"	715P0S27
	1.688 - 1.812"	715P0S29

ANGLES

POLY ANGLE			
	30°	515M3	
METAL ANGLE			
	0°	595M0	
	30°	595M3	
	Oversized 30°	795M3	Mounts on oversize box only. Order with 7T6F0N25XL box. See pg 54.
	70°	595M7	

BOXES

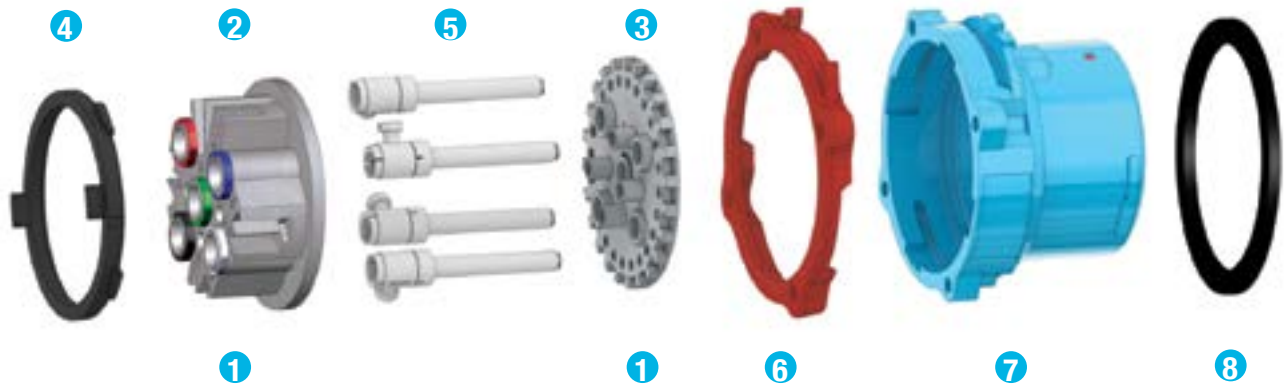
POLY ANGLE WITH METAL BOX w/NPT				
 * 108.7 in^3	30°	1 1/4"	715C3N12	* Interior volume with receptacle installed.
	30°	1 1/2"	715C3N15	
	30°	2"	715C3N20	
	30°	2 1/2"	715C3N25	
METAL ANGLE WITH METAL BOX w/NPT				
 * 111.8 in^3	30°	1 1/4"	795C3N12	* Interior volume with receptacle installed.
	30°	1 1/2"	795C3N15	
	30°	2"	795C3N20	
	30°	2 1/2"	795C3N25	
METAL BOX w/NPT				
	0°	1 1/4"	7T5F0N12	* Interior volume with receptacle installed.
	0°	1 1/2"	7T5F0N15	
	0°	2"	7T5F0N20	
	0°	2 1/2"	7T5F0N25	

NPT on top or bottom (if rotated). For other NPT configurations, contact Customer Service.

MISCELLANEOUS ACCESSORIES

PROTECTIVE INLET/PLUG CAP		
	31-9A426	For Inlets/Plugs Only. Covers lockout hole for watertight seal on inlet. Consult Customer Service for availability.
PADLOCKABLE INLET/PLUG CAP		
	DS9MC	Aluminum – For Inlets/Plugs Only. -A155 suffix required to maintain water ingress protection.
CORD GRIP with or w/o MESH		
	see pg 169	
EASY RETROFIT ADAPTER PLATES		
	see pg 166	Mount to existing boxes.
RECEPTACLE LOCKING PIN		
	LP-843	Requires Padlockable Pawl option (-843) on receptacle.

DSN SPARE PARTS Male Configuration



			DSN20 POLY	DSN30 POLY	DSN60 POLY	DSN100 POLY	DSN100 METAL	DSN150 POLY	DSN150 METAL
1	Plug Interior***		61-1A010*	61-3A010*	61-6A010*	61-8A010*	67-8A010*	63-9A010*	67-9A010*
1	Plug Interior with 2 pilots+		-	61-3A310-972*	61-6A310-972*	61-8A310-972*	67-8A310-972*	63-9A310-262*	67-9A310-262*
2	Interior Bottom***		61-1A010-B	61-3A010-B	61-6A010-B	61-8A010-B	67-8A010-B	63-9A551	67-9A551
3	Interior Top***		61-1A010-T*	61-3A010-T*	61-6A010-T*	61-8A010-T*	67-8A010-T*	63-9A010-T*	67-9A010-T*
4	Polyester Locking Ring		61-1A583	61-3A583	61-6A583	61-8A583	-	63-9A583	-
4	Metal Locking Ring		-	-	-	-	67-8A583	-	67-9A583
5	Plug Phase Contact (If no aux. contacts)		61-1A011	61-3A011-380	61-6A011	61-8A011	67-8A011	63-9A011	63-9A011
5	Plug Phase Contact (If plug has aux. contacts)		61-1A011	61-3A011	61-6A011	61-8A011	67-8A011	63-9A011	63-9A011
5	Plug Ground Contact		61-1A019	61-3A019	61-6A019	61-8A019	61-8A019	63-9A019	63-9A019
6	Color-Coded Voltage Gasket	125 V	61-1AC26	61-3AC26	61-6AC26	61-8AC26	61-8AC26	31-9AC26	39-2AC26
		208 V	61-1AB26	61-3AB26	61-6AB26	61-8AB26	61-AB26	31-9AB26	39-2AB26
		250 V	61-1AC26	61-3AC26	61-6AC26	61-8AC26	61-8AC26	31-9AC26	39-2AC26
		480 V	61-1AR26	61-3AR26	61-6AR26	61-8AR26	61-8AR26	31-9AR26	39-2AR26
		600 V	61-1AN26	61-3AN26	61-6AN26	61-8AN26	61-8AN26	31-9AN26	39-2AN26
7	Plug Polyester Casing		61-1A014**	61-3A014**	61-6A014**	61-8A014**	-	63-9A014**	-
7	Plug Metal Casing		-	-	-	-	67-8A014	-	67-9A014
8	Type 4X Gasket		-	-	-	-	-	-	31-9A066

* Voltage and phasing positions must be specified (5th, 6th & 7th digit of Part #) to duplicate your shutter and alignment notches.

** For appropriate labeling on a device, please specify voltage, phasing, and product type.

*** For interiors with pilot contacts, contact Customer Service for part numbers.

+ For interiors with more than 2 pilot contacts, contact Customer Service for part numbers.

For replacement parts contact Customer Service at 800-433-7642

DSN SPARE PARTS Female Configuration

			DSN20 POLY	DSN30 POLY	DSN60 POLY	DSN100 POLY	DSN100 METAL	DSN150 POLY	DSN150 METAL
1	Receptacle Interior***		61-1A020*	61-3A020*	61-6A020*	61-8A020*	67-8A020*	63-9A020*	67-9A020*
	Receptacle Interior with 2 pilots+		61-1A020-972	61-3A320-972*	61-6A320-972*	61-8A020-972*	67-8A020-972*	63-9A320-262*	67-9A320-262*
2	Interior Bottom***		61-1A020-B	61-3A020-B	61-6A020-B	61-8A020-B	67-8A020-B	63-9A552	67-9A552
3	Interior Top***		61-1A020-T*	61-3A020-T*	61-6A020-T*	61-8A020-T*	67-8A020-T*	63-9A020-T*	67-9A020-T*
4	Polyester Locking Ring		61-1A583	65-3A583	61-6A583	61-8A583	-	63-9A583	-
4	Metal Locking Ring		-	-	-	-	67-8A583	-	67-9A583
5	Receptacle Phase Contact (If no aux. contacts)		61-1A021	61-3A021-380	61-6A021	61-8A021	67-8A021	63-9A021	63-9A021
5	Receptacle Phase Contact (If plug has aux. contacts)		61-1A021	61-3A021	61-6A021	61-8A021	67-8A021	63-9A021	63-9A021
5	Receptacle Ground Contact		61-1A029	61-3A029	61-6A029	61-8A029	67-8A029	63-9A029	67-9A029
6	Color-Coded Voltage Gasket	125 V	61-1AC26	61-3AC26	61-6AC26	61-8AC26	61-8AC26	31-9AC26	31-9AC26
		208 V	61-1AB26	61-3AB26	61-6AB26	61-8AB26	61-8AB26	31-9AB26	31-9AB26
		250 V	61-1AC26	61-3AC26	61-6AC26	61-8AC26	61-8AC26	31-9AC26	31-9AC26
		480 V	61-1AR26	61-3AR26	61-6AR26	61-8AR26	61-8AR26	31-9AR26	31-9AR26
		600 V	61-1AN26	61-3AN26	61-6AN26	61-8AN26	61-8AN26	31-9AN26	31-9AN26
7	Receptacle Polyester Casing		61-1A024**	61-3A024**	61-6A024**	61-8A024**	-	63-9A024**	-
7	Receptacle Metal Casing		-	-	-	-	67-8A024	-	67-9A024A
8	Lid Replacement Kit Polyester		61-1A125	61-3A125	61-6A125	61-8A125	-	63 -9A125	-
8	Lid Replacement Kit Metal		-	-	-	-	67-8A925	-	67-9A925A
9	Pawl Replacement Kit Polyester		61-1A824	61-6A824	61-6A824	61-8A824	-	61 -9A824	-
9	Pawl Replacement Kit Metal		69-1A824	69-6A924	69-6A924	69-8A924	67-8A824	69-9A924	67-9A824A

* Voltage and phasing positions must be specified (5th, 6th & 7th digit of Part #) to duplicate your shutter and alignment notches.

** For appropriate labeling on a device, please specify voltage, phasing, and product type.

*** For interiors with pilot contacts, contact Customer Service for part numbers.

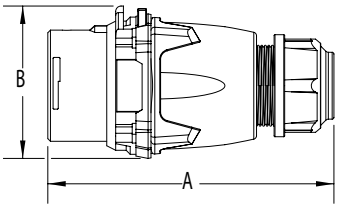
+ For interiors with more than 2 pilot contacts, contact Customer Service for part numbers.

For replacement parts contact Customer Service at 800-433-7642

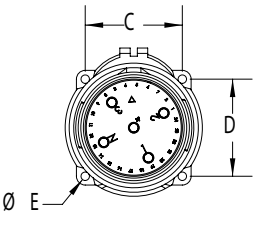
DSN DIMENSIONS – Provided in inches

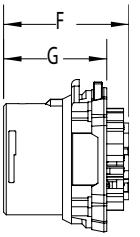
Dimensions are for reference only and may change depending on accessories used. For precise dimensions contact MELTRIC Engineering.

Plug



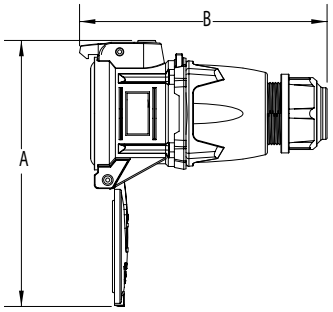
Inlet



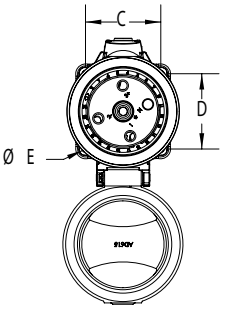


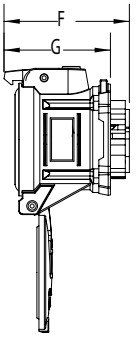
PRODUCT	A	B	C	D	øE	F	G
DSN20/DSN12c	5.28	2.40	1.65	1.65	0.17	2.46	1.87
DSN30/DSN24c	5.75	2.91	1.89	1.89	0.18	2.56	1.97
DSN60/DSN37c	6.30	3.46	2.17	2.17	0.19	2.8	2.21
DSN100	6.70	3.77	2.59	2.59	0.24	3.42	2.38
DSN150	8.33	4.59	3.20	3.2	0.24	4.14	3.04

Connector

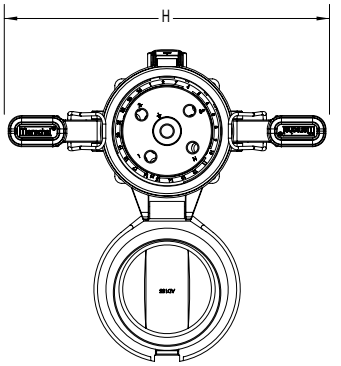


Receptacle



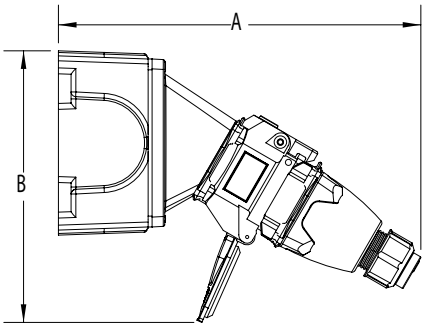


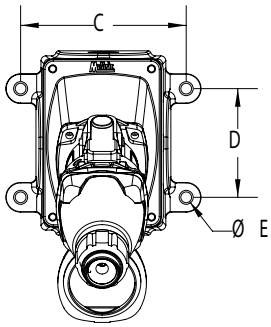
Extended Draw bars



PRODUCT	A	B	C	D	øE	F	G	H
DSN20/DSN12c	5.26	5.60	1.65	1.65	0.19	3.15	2.10	N/A
DSN30/DSN24c	7.05	6.93	1.89	1.89	0.18	3.53	2.88	N/A
DSN60/DSN37c	7.74	7.22	2.17	2.17	0.2	3.64	3.09	N/A
DSN100	8.96	7.90	2.59	2.59	0.22	4.53	3.37	N/A
DSN150	11.04	10.02	3.20	3.2	0.23	5.71	4.74	11.25

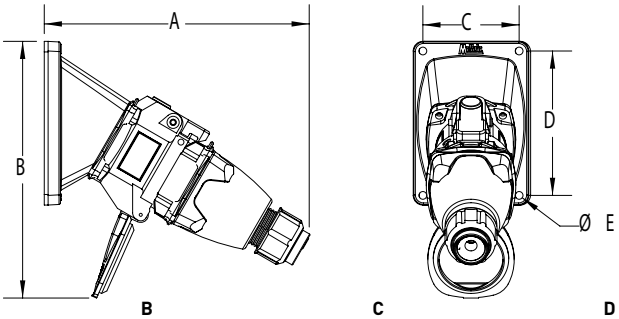
Box /30° Angle/ Receptacle/Plug





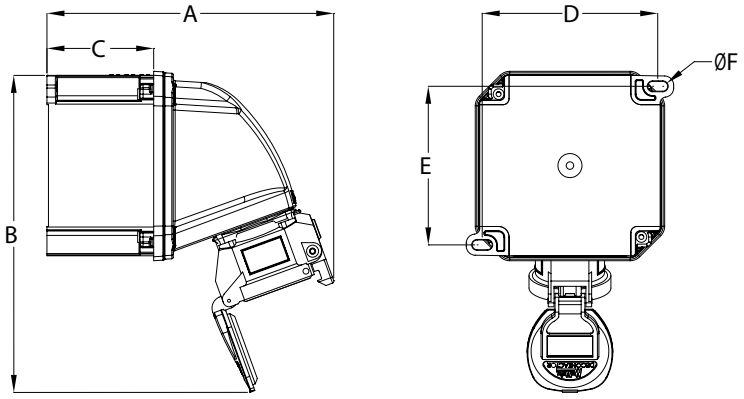
PRODUCT	A	B	C	D	øE
DSN20/DSN12c	7.80	7.25	4.19	2.75	0.27
DSN30/DSN24c	9.85	7.60	4.19	2.75	0.27
DSN60/DSN37c	10.48	8.20	4.19	2.75	0.27
DSN100	11.87	10.74	5.00	3.81	0.33
DSN150	16.06	10.33	6.75	4.25	0.31

30° Angle/Receptacle/Plug



PRODUCT	A	B	C	D	øE
DSN20/DSN12c	7.80	7.10	2.50	3.75	0.18
DSN30/DSN24c	9.85	8.50	2.50	3.75	0.22
DSN60/DSN37c	10.48	9.02	2.50	3.75	0.22
DSN100	9.17	10.45	3.43	4.83	0.26
DSN150	16.06	12.05	4.83	4.83	0.28

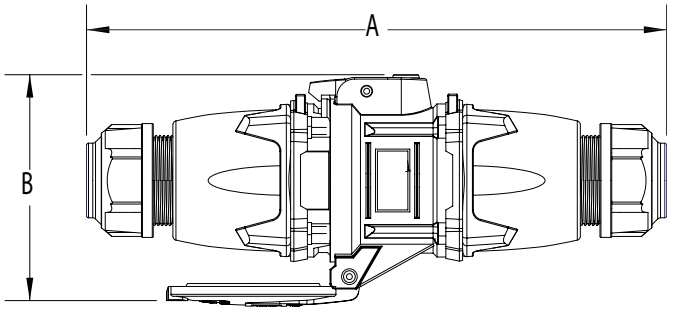
70° Wall Box/ Receptacle



PRODUCT	A	B	C	D	E	øF
DSN20/DSN12c	7.51	8.30	2.80	4.60	4.15	0.26
DSN30/DSN24c	7.93	9.51	2.80	4.60	4.15	0.26
DSN60*/DSN37c	8.91	11.55	2.80	6.17	5.73	0.26
DSN100	9.07	12.70	2.80	6.17	5.73	0.26

* Box has 4 mounting feet.

Plug/Connector



PRODUCT	A	B
DSN20/DSN12c	9.09	3.50
DSN30/DSN24c	10.43	4.57
DSN60/DSN37c	11.26	4.80
DSN100	12.17	8.03
DSN150	19.53	8.03

DS Switch-Rated Plug and Receptacle

Main Advantages

- Switch & hp rated (AC only)
- 65 kA to 100 kA short circuit rated*
- Up to 6 auxiliary contacts
- Amperage ratings up to 200 A
- Metal or Poly construction

* See note under General Ratings on the next page.

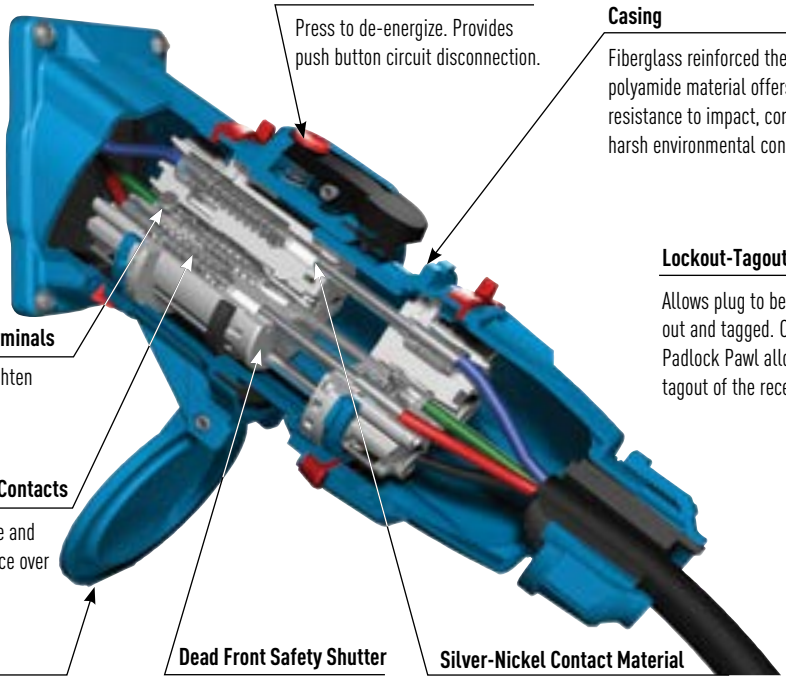
Highlighted Advantage

Simplify Compliance to NFPA 70E & CSA Z462
see pgs 19-20 for more information

- Features and Ratings p. 42
- DS20 p. 43
- DS30 p. 45
- DS60 p. 47
- DS100C p. 49
- DS100 p. 51
- DS200 p. 53
- Spare Parts p. 55
- Dimensions p. 57

PRODUCT FEATURES

DECONTACTOR™ Technology



OFF Button

Press to de-energize. Provides push button circuit disconnection.

Casing

Fiberglass reinforced thermoplastic polyamide material offers great resistance to impact, corrosion and harsh environmental conditions.

Lockout-Tagout Provisions

Allows plug to be easily locked out and tagged. Optional Padlock Pawl allows lockout/ tagout of the receptacle.

Spring Assisted Screw Terminals

Patented design ensures "Tighten and Forget" confidence.

Spring-Loaded Butt-Style Contacts

Ensures optimal contact force and superior electrical performance over thousands of operations.

Lid

Provides 3R water protection (4X optional) for additional protection in harsh environments.

Dead Front Safety Shutter

Ensures safety by preventing user access to live parts.

Silver-Nickel Contact Material

Solid silver-nickel contact surfaces provide superior conductivity, durability and corrosion resistance.

General Ratings

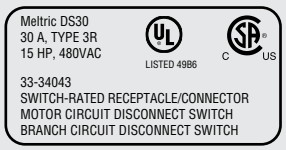
Amperage	20 to 200 A
Voltage	600 VAC
Frequency	50-400 Hz
Horsepower	3/4 to 100 hp
Short-Circuit (Make & Withstand)	10 kA to 100 kA*
Environmental	Type 3R, Type 4X optional
Temperature	min -40°F/max 140°F

* DS20, 30, 60 & 100C are rated 100 kA. DS200 is rated 10 kA. Testing was performed with RK1 current limiting fuses sized at 400% of the highest full load motor ampacity associated with the devices hp rating.

* DS100 and DS200 are rated 65kA. Testing was performed with RK5 time delay fuses sized at 100% of the device's rated ampacity.

Highlighted Feature

Typical Device Labels



MELTRIC DS Series Switch-Rated devices are UL & CSA rated for "motor circuit" and "branch circuit" disconnect switching – up to 100 hp and up to 200 A.

Listings

Category	UL	CSA	IEC
Plugs and Receptacles	UL 1682	C22.2 No. 182.1	60309-1
Branch Circuit Disconnect Switching (AC only)	UL Subject 2682 (Performance tests from UL 98)	UL Subject 2682	60947-3, AC22, AC23
Motor Circuit Disconnect Switching (AC only)	UL Subject 2682 (Performance tests from UL 98)	UL Subject 2682	60947-3, AC22, AC23

CE ratings available upon request./ NOM ratings available upon request.

Operating Instructions

When the plug and receptacle are latched together, the circuit is connected.

Pressing the pawl breaks the connection and opens the circuit. The plug is ejected to its rest position; The contacts are now dead.

Rotating the 'dead' plug 30° counterclockwise closes the safety shutter and frees the plug to be withdrawn from the receptacle.

The plug and the receptacle are separated. The safety shutter prevents access to live parts.

5 To reconnect, insert plug into receptacle, rotate 30° clockwise, and apply insertion force.

DS20 Switch-Rated Plugs & Receptacles – 20 A

UL/CSA Ratings

- **Max Amperage & Voltage**
  20 A, 600 VAC
- **Switch-Rating (AC Only)**
  Branch Circuit & Motor Circuit Disconnect Switching
- **Horsepower Ratings**

120 V	1Ø	.75 hp
208 V	3Ø	3 hp
240 V	3Ø	5 hp
480 V	3Ø	7.5 hp
600 V	3Ø	10 hp

- **Short Circuit Rating**
  100 kA Close & Withstand
  Tested with RK1 current limiting fuses sized at 400% of the highest full load motor ampacity.
- **Environmental Ratings**
  Type 3R (Standard)
  Type 4X (Optional)
- **Temperature Range**
  Min -40°F/Max 140°F
  See pg 266 for temps below -15°F.
- **Wiring Capacity**
  Min 14 AWG Max 8 AWG
  Aux Contact - Max 14 AWG
  Based on THHN wire sizes.
- **Certifications**
  UL 2682, UL 1682, CSA 182.1

Receptacle (female)

Inlet (male)

! Don't forget to add installation accessories to your order

North American UL/CSA Configurations

Voltage	Polarity	Part # Poly	Part # Poly
120 V	1P+N+G	33-14165	33-18165
120 208 V	3P+N+G	33-14167	33-18167
125 V	1P+N+G	33-14075	33-18075
125 250 V	2P+N+G	33-14076	33-18076
208 V	2P+G	33-14162	33-18162
208 V	3P+G	33-14163	33-18163
250 V	2P+G	33-14072	33-18072
250 V	3P+G	33-14073	33-18073
277 V	1P+N+G	33-14045	33-18045
277 480 V	3P+N+G	33-14047	33-18047
347 600 V	3P+N+G	33-14147	33-18147
480 V	2P+G	33-14042	33-18042
480 V	3P+G	33-14043	33-18043
600 V	2P+G	33-14142	33-18142
600 V	3P+G	33-14143	33-18143

For international configurations and ratings (IEC,CE) visit meltric.com/international-catalog or contact Customer Service at 800-433-7642.

Main Options

Auxiliary/Pilot Contacts

Mushroom Pawl

Padlock Pawl

Closed Lid Configuration
Recommended for cord applications to keep lid tucked in to avoid damage.

! See pages 243-252 for detailed information on these options

Receptacle Options	Suffix #	Inlet Options	Suffix #
With 2 Auxiliary/Pilot Contacts	Recept # -972	With 2 Auxiliary/Pilot Contacts	Inlet # -972
Type 4X & Closed Lid Configuration	Recept # -4X	Type 4X Watertightness	Inlet # -4X
Straight Insertion	Recept # -352~	Self-Ejecting Plug Release**	Inlet # -338
Self-Ejecting Connector Release**	Recept # -354~	With No Lockout Hole	Inlet # -A155
Mushroom Pawl	Recept # -375	For Auxiliary Switch	Inlet # -270+
Padlock Pawl	Recept # -843		
Padlockable Mushroom Pawl	Recept # -375-843		
Screw-Type Locking Pawl	Recept # -845		
Metal Pawl (on Poly Receptacle)	Recept # -824		
Closed Lid Configuration	Recept # -NC		
With Auxiliary Switch	Recept # -270+		

Notes: + Not UL/CSA listed.
** For self-ejecting connectors and plugs, a -443 suffix must be added to the handle part number. See pages 251-252 for more information.
~ Standard closed lid configuration.

Order Example: 208 V DS20 + 2 auxiliary contacts
DS20 Poly inlet 2P+G = 33-18162***-972***

INSTALLATION ACCESSORIES – SIZE 2

Unless indicated otherwise, accessories can be used with either poly or metal plugs and receptacles.

HANDLES

HANDLE w/NPT		Part # Poly	Part # Metal
Poly	1/2"	512P0N05	592P0N05
	3/4"	512P0N07	592P0N07
	1"	512P0N10	592P0N10
	1 1/4"	512P0N12	–

For available cord grips, see page 169. Add -443 for self-ejecting.

POLY HANDLE w/CORD GRIP	Cable Range	Part #
	.350 - .520"	712P0BP6
	.520 - .680"	712P0CP5
	.680 - .980"	712P0DP4
	.980 - 1.260"	712P0EP4
METAL HANDLE w/CORD GRIP		
	.438 - .500"	792P0BS3
	.500 - .562"	792P0BS4
	.562 - .625"	792P0CS2
	.625 - .750"	792P0CS4
	.750 - .875"	792P0DS1
	.875 - 1.000"	792P0DS3
POLY HANDLE		
	.20 - .82"	512P0D21
POLY HANDLE w/CLAMP & BUSHING		
	.750 - .875"	712P0S14
	.875 - 1.000"	712P0S16
	1.000 - 1.125"	712P0S18
	1.125 - 1.250"	712P0S20
	1.250 - 1.375"	712P0S22

ANGLES

POLY ANGLE			
	30°	512M3	
	70°	512M7	Panel mounting only.
METAL ANGLE			
	0°	592M0	
	30°	592M3	
	FS/FD Box 30°	792M3FS	* Base measures approximately 4.2" x 2.7". Due to the variation in sizes of FS boxes, please verify that your FS box matches our dimensions, if not call Customer Service for other solutions.

BOXES

POLY CONDUIT ENTRY w/NPT			Part #	
* 7.0 in³	30°	1/2"	512B3N05	For poly devices only
	30°	3/4"	512B3N07	* Interior volume with receptacle installed.
POLY WALL BOX w/ANGLE				
* 82.0 in³	70°		512C7000	70° poly boxes are not drilled. Contact Customer Service if factory drilling is required.
		Ground Bar	51AA089	* Interior volume with receptacle installed.
POLY ANGLE WITH METAL BOX w/NPT				
* 74.6 in³	70°	1/2"	712C7N05	* Interior volume with receptacle installed.
	70°	3/4"	712C7N07	
	70°	1"	712C7N10	
	70°	1 1/4"	712C7N12	
	70°	1 1/2"	712C7N15	
METAL BOX w/NPT				
	0°	1/2"	7T1F0N05	
	0°	3/4"	7T1F0N07	
	0°	1"	7T1F0N10	
	0°	1 1/4"	7T1F0N12	
POLY ANGLE WITH METAL BOX w/NPT				
* 28.7 in³	30°	1/2"	712C3N05	* Interior volume with receptacle installed.
	30°	3/4"	712C3N07	
	30°	1"	712C3N10	
	30°	1 1/4"	712C3N12	

NPT on top or bottom (if rotated). For other NPT configurations, contact Customer Service.

MISCELLANEOUS ACCESSORIES

FINGER DRAWPLATES		
	61-3A346	Set of Two (2) Recommended for cord to cord assembly applications, for easier connector closure.
PROTECTIVE INLET/PLUG CAP		
	31-1A426	For Inlets/Plugs Only.
PADLOCKABLE INLET/PLUG CAP		
	DS1PC	For Inlets/Plugs Only.
SPRING-LOADED PADLOCKABLE INLET/PLUG CAP		
	31-1A226	For Inlets/Plugs Only. -A155 suffix required to maintain water ingress protection.
EASY RETROFIT ADAPTER PLATES		
	see pg 166	Mount to existing boxes.
RECEPTACLE LOCKING PIN		
	LP-843	Requires Padlockable Pawl option (-843) on receptacle.

DS30 Switch-Rated Plugs & Receptacles – 30 A

UL/CSA Ratings

- **Max Amperage & Voltage**
  30 A, 600 VAC
- **Switch-Rating (AC Only)**
  Branch Circuit & Motor Circuit Disconnect Switching
- **Horsepower Ratings**

120 V	1Ø	1 1/2 hp
240 V	1Ø	3 hp
208 V	3Ø	5 hp
240 V	3Ø	5 hp
480 V	3Ø	15 hp
600 V	3Ø	15 hp

- **Short Circuit Rating**
  100 kA Close & Withstand
  Tested with RK1 current limiting fuses sized at 400% of the highest full load motor ampacity.
- **Environmental Ratings**
  Type 3R (Standard)
  Type 4X (Optional)
- **Temperature Range**
  Min -40°F/Max 140°F
  See pg 266 for temps below -15°F.
- **Wiring Capacity**
  Min 14 AWG Max 4 AWG
  Aux Contacts - Max 14 AWG
  Based on THHN wire sizes.
- **Certifications**
  UL 2682, UL 1682, CSA 182.1

Receptacle (female)

Inlet (male)

! Don't forget to add installation accessories to your order

North American UL/CSA Configurations

Voltage	Polarity	Part # Poly	Part # Poly
120 V	1P+N+G	33-34165	33-38165
120 208 V	3P+N+G	33-34167	33-38167
125 V	1P+N+G	33-34075	33-38075
125 250 V	2P+N+G	33-34076	33-38076
208 V	2P+G	33-34162	33-38162
208 V	3P+G	33-34163	33-38163
250 V	2P+G	33-34072	33-38072
250 V	3P+G	33-34073	33-38073
277 V	1P+N+G	33-34045	33-38045
277 480 V	3P+N+G	33-34047	33-38047
347 600 V	3P+N+G	33-34147	33-38147
480 V	2P+G	33-34042	33-38042
480 V	3P+G	33-34043	33-38043
600 V	2P+G	33-34142	33-38142
600 V	3P+G	33-34143	33-38143

For international configurations and ratings (IEC,CE) visit meltric.com/international-catalog or contact Customer Service at 800-433-7642.

Main Options

Auxiliary/Pilot Contacts

Mushroom Pawl

Padlock Pawl

Closed Lid Configuration
Recommended for cord applications to keep lid tucked in to avoid damage.

Receptacle Options	Suffix #	Inlet Options	Suffix #
With 2 Auxiliary/Pilot Contacts	Recept # -972	With 2 Auxiliary/Pilot Contacts	Inlet # -972
With 3 Auxiliary/Pilot Contacts	Recept # -973	With 3 Auxiliary/Pilot Contacts	Inlet # -973
With 4 Auxiliary/Pilot Contacts	Recept # -974	With 4 Auxiliary/Pilot Contacts	Inlet # -974
Type 4X & Closed Lid Configuration	Recept # -4X	Type 4X Watertightness	Inlet # -4X
Straight Insertion	Recept # -352~	Self-Ejecting Plug Release**	Inlet # -338
Self-Ejecting Connector Release**	Recept # -354~	With No Lockout Hole	Inlet # -A155
Mushroom Pawl	Recept # -375	For Auxiliary Switch	Inlet # -270+
Padlock Pawl	Recept # -843		
Padlockable Mushroom Pawl	Recept # -375-843		
Screw-Type Locking Pawl	Recept # -845		
Metal Pawl (on Poly Receptacle)	Recept # -824		
Closed Lid Configuration	Recept # -NC		
With Auxiliary Switch	Recept # -270+		

Notes: + Not UL/CSA listed.
** For self-ejecting connectors and plugs, a -443 suffix must be added to the handle part number. See pages 251-252 for more information.
~ Standard closed lid configuration.

! See pages 243-252 for detailed information on these options

Order Example: 480 V DS30 + 2 auxiliary contacts
DS30 Poly inlet 3P+G = 33-38043-***972***

INSTALLATION ACCESSORIES – SIZE 3

Unless indicated otherwise, accessories can be used with either poly or metal plugs and receptacles.

HANDLES

HANDLE w/NPT		Part # Poly	Part # Metal
Poly / Metal	1/2"	513P0N05	593P0N05
	3/4"	513P0N07	593P0N07
	1"	513P0N10	593P0N10
	1 1/4"	513P0N12	593P0N12

For available cord grips, see page 169 Add -443 for self-ejecting.

POLY HANDLE w/CORD GRIP	Cable Range	Part #
	.520 - .680"	713P0CP5
	.680 - .980"	713P0DP4
	.980 - 1.260"	713P0EP4

METAL HANDLE w/CORD GRIP		
	.625 - .750"	793P0CS4
	.750 - .875"	793P0DS1
	.875 - 1.000"	793P0DS3
	1.000 - 1.125"	793P0ES2

POLY HANDLE		
	.39 - 1.18"	513P0D30

POLY HANDLE w/BUILT IN DRAW GRIPS		
	.39 - 1.18"	513P0D30473
	Makes connector closures easier.	

POLY HANDLE w/CLAMP & BUSHING		
	.750 - .875"	713P0S14
	.875 - 1.000"	713P0S16
	1.000 - 1.125"	713P0S18
	1.125 - 1.250"	713P0S20
	1.250 - 1.375"	713P0S22

ANGLES

POLY ANGLE			
	30°	513M3	
	70°	513M7	Panel mounting only.

METAL ANGLE			
	0°	593M0	
	30°	593M3	
	FS/FD Box 30°	793M3FS	* Base measures approximately 4.2" x 2.7". Due to the variation in sizes of FS boxes, please verify that your FS box matches our dimensions, if not call Customer Service for other solutions.
	70°	593M7	

BOXES

POLY CONDUIT ENTRY w/NPT			Part #	
* 13.5 in³	30°	1/2"	513B3N05	For poly devices only
	30°	3/4"	513B3N07	* Interior volume with receptacle installed.
	30°	1"	513B3N10	

POLY WALL BOX w/ANGLE				
* 179.41 in³	70°		513C7000	70° poly boxes are not drilled. Contact Customer Service if factory drilling is required.
		Ground Bar	51AA089	* Interior volume with receptacle installed.

POLY ANGLE WITH METAL BOX w/NPT			
* 177.7 in³	70°	1/2"	713C7N05
	70°	3/4"	713C7N07
	70°	1"	713C7N10
	70°	1 1/4"	713C7N12
	70°	1 1/2"	713C7N15

* Interior volume with receptacle installed.

METAL BOX w/NPT		
	0°	1/2"	7T1F0N05
	0°	3/4"	7T1F0N07
	0°	1"	7T1F0N10
	0°	1 1/4"	7T1F0N12

POLY ANGLE WITH METAL BOX w/NPT			
* 29.6 in³	30°	1/2"	713C3N05
	30°	3/4"	713C3N07
	30°	1"	713C3N10
	30°	1 1/4"	713C3N12

* Interior volume with receptacle installed.

NPT on top or bottom (if rotated). For other NPT configurations, contact Customer Service.

MISCELLANEOUS ACCESSORIES

FINGER DRAWPLATES		
	61-6A346	Set of Two (2) Recommended for cord to cord assembly applications, for easier connector closure.

PROTECTIVE INLET/PLUG CAP		
	31-3A426	For Inlets/Plugs Only.

PADLOCKABLE INLET/PLUG CAP		
	DS3PC	For Inlets/Plugs Only.

SPRING-LOADED PADLOCKABLE INLET/PLUG CAP		
	31-3A226	For Inlets/Plugs Only. -A155 suffix required to maintain water ingress protection.

EASY RETROFIT ADAPTER PLATES		
	see pg 166	Mount to existing boxes.

RECEPTACLE LOCKING PIN		
	LP-843	Requires Padlockable Pawl option (-843) on receptacle.

DS60 Switch-Rated Plugs & Receptacles – 60 A

UL/CSA Ratings

- **Max Amperage & Voltage**
  60 A, 600 VAC
- **Switch-Rating (AC Only)**
  Branch Circuit & Motor Circuit Disconnect Switching
- **Horsepower Ratings**

120 V	1Ø	3 hp
240 V	1Ø	5 hp
208 V	3Ø	10 hp
240 V	3Ø	10 hp
480 V	3Ø	25 hp
600 V	3Ø	25 hp

- **Short Circuit Rating**
  100 kA Close & Withstand
  Tested with RK1 current limiting fuses sized at 400% of the highest full load motor ampacity.
- **Environmental Ratings**
  Type 4X/IP69/IP69K
- **Temperature Range**
  Min -40°F/Max 140°F
  See pg 266 for temps below -15°F.
- **Wiring Capacity**
  Min 10 AWG Max 2 AWG
  Aux Contacts - Max 14 AWG
  Based on THHN wire sizes.
- **Certifications**
  UL 2682, UL 1682, CSA 182.1

Receptacle (female)

Inlet (male)

! Don't forget to add installation accessories to your order

North American UL/CSA Configurations

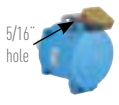
Voltage	Polarity	Part # Poly	Part # Metal	Part # Poly	Part # Metal
120 V	1P+N+G	33-64165	37-64165	33-68165	37-68165
120 208 V	3P+N+G	33-64167	37-64167	33-68167	37-68167
125 V	1P+N+G	33-64075	37-64075	33-68075	37-68075
125 250 V	2P+N+G	33-64076	37-64076	33-68076	37-68076
208 V	2P+G	33-64162	37-64162	33-68162	37-68162
208 V	3P+G	33-64163	37-64163	33-68163	37-68163
250 V	2P+G	33-64072	37-64072	33-68072	37-68072
250 V	3P+G	33-64073	37-64073	33-68073	37-68073
277 V	1P+N+G	33-64045	37-64045	33-68045	37-68045
277 480 V	3P+N+G	33-64047	37-64047	33-68047	37-68047
347 600 V	3P+N+G	33-64147	37-64147	33-68147	37-68147
480 V	2P+G	33-64042	37-64042	33-68042	37-68042
480 V	3P+G	33-64043	37-64043	33-68043	37-68043
600 V	2P+G	33-64142	37-64142	33-68142	37-68142
600 V	3P+G	33-64143	37-64143	33-68143	37-68143

For international configurations and ratings (IEC,CE) visit meltric.com/international-catalog or contact Customer Service at 800-433-7642.

Main Options

Auxiliary/Pilot Contacts

Mushroom Pawl



Padlock Pawl

Closed Lid Configuration
Recommended for cord applications to keep lid tucked in to avoid damage.

! See pages 243-252 for detailed information on these options

Receptacle Options	Suffix #	Inlet Options	Suffix #
With 2 Auxiliary/Pilot Contacts	Recept # -972	With 2 Auxiliary/Pilot Contacts	Inlet # -972
With 3 Auxiliary/Pilot Contacts	Recept # -263	With 3 Auxiliary/Pilot Contacts	Inlet # -263
With 4 Auxiliary/Pilot Contacts	Recept # -264	With 4 Auxiliary/Pilot Contacts	Inlet # -264
Straight Insertion	Recept # -352~	Self-Ejecting Plug Release**	Inlet # -338
Self-Ejecting Connector Release**	Recept # -354~	With No Lockout Hole	Inlet # -A155
Mushroom Pawl	Recept # -375	For Auxiliary Switch	Inlet # -270+
Padlock Pawl	Recept # -843		
Padlockable Mushroom Pawl	Recept # -375-843		
Screw-Type Locking Pawl	Recept # -845		
Metal Pawl (on Poly Receptacle)	Recept # -824		
Closed Lid Configuration	Recept # -NC		
With Auxiliary Switch	Recept # -270+		

Notes: + Not UL/CSA Listed.
** For self-ejecting connectors and plugs, a -443 suffix must be added to the handle part number. See pages 251-252 for more information.
~ Standard closed lid configuration.

Order Example: ***480 V DS60 + 2 auxiliary contacts***
DS60 Poly inlet 3P+G = 33-68043-***972***

INSTALLATION ACCESSORIES – SIZE 4

Unless indicated otherwise, accessories can be used with either poly or metal plugs and receptacles.

HANDLES

HANDLE w/NPT	Part # Poly	Part # Metal
1/2"	514P0N05	594P0N05
3/4"	514P0N07	594P0N07
1"	514P0N10	594P0N10
1 1/4"	514P0N12	594P0N12
1 1/2"	514P0N15	594P0N15

For available cord grips, see page 169. Add -443 for self-ejecting.

POLY HANDLE w/CORD GRIP	Cable Range	Part #
	.680 - .980"	714P0DP4
	.980 - 1.260"	714P0EP4
	1.260 - 1.560"	714P0FP1
METAL HANDLE w/CORD GRIP		
	.750 - .875"	794P0DS1
	.875 - 1.000"	794P0DS3
	1.000 - 1.125"	794P0ES2
	1.250 - 1.375"	794P0FS1
	1.438 - 1.562"	794P0FS2*
	1.562 - 1.688"	794P0FS3*

*May require stripping of cable jacket.

POLY HANDLE		
	.51 - 1.38"	514P0D35
POLY HANDLE w/BUILT IN DRAW GRIPS		
	.51 - 1.38"	514P0D35473

Makes connector closures easier.

POLY HANDLE w/CLAMP & BUSHING		
	1.250 - 1.375"	714P0S22
	1.438 - 1.562"	714P0S25
	1.562 - 1.688"	714P0S27
	1.688 - 1.812"	714P0S29

ANGLES

POLY ANGLE					
	30°	514M3		70°	514M7 panel mounting only

METAL ANGLE			
	0°	594M0	
	30°	594M3	
	30°	794M3L	
	Oversized 30°	794M3	Mounts on oversize box only. Order with 7T5F0Nxx. See pg 52.
	70°	594M7	

BOXES

POLY CONDUIT ENTRY w/NPT			
* 27.7 in³	30°	1/2"	514B3N05
	30°	3/4"	514B3N07
	30°	1"	514B3N10
	30°	1 1/4"	514B3N12

For poly devices only

* Interior volume with receptacle installed.

POLY WALL BOX w/ANGLE			
* 181.24 in³	70°		514C7000
		Ground Bar	51AA089

70° poly boxes are not drilled. Contact Customer Service if factory drilling is required.

* Interior volume with receptacle installed.

POLY ANGLE WITH METAL BOX w/NPT			
* 177.7 in³	70°	1/2"	714C7N05
	70°	3/4"	714C7N07
	70°	1"	714C7N10
	70°	1 1/4"	714C7N12
	70°	1 1/2"	714C7N15

* Interior volume with receptacle installed.

METAL BOX w/NPT			
	0°	1"	7T4F0N10
	0°	1 1/4"	7T4F0N12
	0°	1 1/2"	7T4F0N15
	0°	2"	7T4F0N20

POLY ANGLE WITH METAL BOX w/NPT			
* 61.0 in³ Poly Angle * 59.4 in³ Metal Angle	30°	1"	714C3N10
	30°	1 1/4"	714C3N12
	30°	1 1/2"	714C3N15
	30°	2"	714C3N20

For metal angle, replace "71" prefix with "79".

* Interior volume with receptacle installed.

MISCELLANEOUS ACCESSORIES

FINGER DRAWPLATES		
	31-6A346	Set of Two (2) Recommended for cord to cord assembly applications, for easier connector closure.

PROTECTIVE INLET/PLUG CAP		
	31-6A426	For Inlets/Plugs Only.

PADLOCKABLE INLET/PLUG CAP		
	DS6PC	Poly – For Inlets/Plugs Only.
	DS6MC	Aluminum – For Inlets/Plugs Only. -A155 suffix required to maintain water ingress protection.

SPRING-LOADED PADLOCKABLE INLET/PLUG CAP			
	31-6A226	For Poly Inlets/Plugs Only.	-A155 suffix required to maintain water ingress protection.
	39-6A226	For Metal Inlets/Plugs Only.	

RECEPTACLE LOCKING PIN		
	LP-843	Requires Padlockable Pawl option (-843) on receptacle.

DS100C Switch-Rated Plugs & Receptacles – 100 A

UL/CSA Ratings

- **Max Amperage & Voltage**
  100 A, 600 VAC
- **Switch-Ratings (AC Only)**
  Branch Circuit & Motor Circuit Disconnect Switching
- **Horsepower Ratings**

120 V	1Ø	5 hp
240 V	1Ø	10 hp
208 V	3Ø	20 hp
240 V	3Ø	20 hp
480 V	3Ø	50 hp
600 V	3Ø	50 hp

- **Short Circuit Rating**
  100 kA Close & Withstand
  Tested with RK1 current limiting fuses sized at 400% of the highest full load motor ampacity.
- **Environmental Ratings**
  Type 4X/IP69/IP69K
- **Temperature Range**
  Min -40°F/Max 140°F
  See pg 266 for temps below -15°F.
- **Wiring Capacity**
  Min 10 AWG Max 2 AWG
  Aux Contacts - Max 14 AWG
  Based on THHN wire sizes.
- **Certifications**
  UL 2682, UL 1682, CSA 182.1

Receptacle (female)

Inlet (male)

! Don't forget to add installation accessories to your order

North American UL/CSA Configurations

Voltage	Polarity	Part # Poly	Part # Metal	Part # Poly	Part # Metal
120 V	1P+N+G	33-64235-C-K16	37-64235-C-K16	33-68235-C-K16	37-68235-C-K16
120 208 V	3P+N+G	33-64237-C-K16	37-64237-C-K16	33-68237-C-K16	37-68237-C-K16
125 V	1P+N+G	33-64175-C-K07	37-64175-C-K07	33-68175-C-K07	37-68175-C-K07
125 250 V	2P+N+G	33-64176-C-K07	37-64176-C-K07	33-68176-C-K07	37-68176-C-K07
208 V	2P+G	33-64232-C-K16	37-64232-C-K16	33-68232-C-K16	37-68232-C-K16
208 V	3P+G	33-64233-C-K16	37-64233-C-K16	33-68233-C-K16	37-68233-C-K16
250 V	2P+G	33-64172-C-K07	37-64172-C-K07	33-68172-C-K07	37-68172-C-K07
250 V	3P+G	33-64173-C-K07	37-64173-C-K07	33-68173-C-K07	37-68173-C-K07
277 V	1P+N+G	33-64245-C-K04	37-64245-C-K04	33-68245-C-K04	37-68245-C-K04
277 480 V	3P+N+G	33-64247-C-K04	37-64247-C-K04	33-68247-C-K04	37-68247-C-K04
347 600 V	3P+N+G	33-64187-C-K14	37-64187-C-K14	33-68187-C-K14	37-68187-C-K14
480 V	2P+G	33-64242-C-K04	37-64242-C-K04	33-68242-C-K04	37-68242-C-K04
480 V	3P+G	33-64243-C-K04	37-64243-C-K04	33-68243-C-K04	37-68243-C-K04
600 V	2P+G	33-64182-C-K14	37-64182-C-K14	33-68182-C-K14	37-68182-C-K14
600 V	3P+G	33-64183-C-K14	37-64183-C-K14	33-68183-C-K14	37-68183-C-K14

For international configurations and ratings (IEC,CE) visit meltric.com/international-catalog or contact Customer Service at 800-433-7642.

Main Options

Auxiliary/Pilot Contacts

Mushroom Pawl

Padlock Pawl

Closed Lid Configuration
Recommended for cord applications to keep lid tucked in to avoid damage.

Receptacle Options	Suffix #	Inlet Options	Suffix #
With 2 Auxiliary/Pilot Contacts	Recept # -972	With 2 Auxiliary/Pilot Contacts	Inlet # -972
With 3 Auxiliary/Pilot Contacts	Recept # -263	With 3 Auxiliary/Pilot Contacts	Inlet # -263
With 4 Auxiliary/Pilot Contacts	Recept # -264	With 4 Auxiliary/Pilot Contacts	Inlet # -264
Straight Insertion	Recept # -352~	Self-Ejecting Plug Release**	Inlet # -338
Self-Ejecting Connector Release**	Recept # -354~	With No Lockout Hole	Inlet # -A155
Mushroom Pawl	Recept # -375	For Auxiliary Switch	Inlet # -270+
Padlock Pawl	Recept # -843		
Padlockable Mushroom Pawl	Recept # -375-843		
Screw-Type Locking Pawl	Recept # -845		
Metal Pawl (on Poly Receptacle)	Recept # -824		
Closed Lid Configuration	Recept # -NC		
With Auxiliary Switch	Recept # -270+		

Notes: + Not UL/CSA listed.
** For self-ejecting connectors and plugs, a -443 suffix must be added to the handle part number. See pages 251-252 for more information.
~ Standard closed lid configuration

! See pages 243-252 for detailed information on these options

Order Example: 480 V DS100C + 2 auxiliary contacts
DS100C Poly inlet 3P+G = 33-68243-C-K04***-972***

INSTALLATION ACCESSORIES – SIZE 4

Unless indicated otherwise, accessories can be used with either poly or metal plugs and receptacles.

HANDLES

HANDLE w/NPT		Part # Poly	Part # Metal
Poly	1/2"	514P0N05	594P0N05
	3/4"	514P0N07	594P0N07
Metal	1"	514P0N10	594P0N10
	1 1/4"	514P0N12	594P0N12
	1 1/2"	514P0N15	594P0N15

For available cord grips, see page 169. Add -443 suffix for self-ejecting.

POLY HANDLE w/CORD GRIP	Cable Range	Part #
	.680 - .980"	714P0DP4
	.980 - 1.260"	714P0EP4
	1.260 - 1.560"	714P0FP1
METAL HANDLE w/CORD GRIP		
	.750 - .875"	794P0DS1
	.875 - 1.000"	794P0DS3
	1.000 - 1.125"	794P0ES2
	1.250 - 1.375"	794P0FS1
	1.438 - 1.562"	794P0FS2*
	1.562 - 1.688"	794P0FS3*

*May require stripping of cable jacket.

POLY HANDLE		
	.51 - 1.38"	514P0D35

POLY HANDLE w/BUILT IN DRAW GRIPS		
	.51 - 1.38"	514P0D35473
	Makes connector closures easier.	

POLY HANDLE w/CLAMP & BUSHING		
	1.250 - 1.375"	714P0S22
	1.438 - 1.562"	714P0S25
	1.562 - 1.688"	714P0S27
	1.688 - 1.812"	714P0S29

ANGLES

POLY ANGLE					
	30°	514M3		70°	514M7 Panel mounting only.

METAL ANGLE			
	0°	594M0	
	30°	594M3	
	30°	794M3L	
	Oversized 30°	794M3	Mounts on oversize box only. Order with 7T5F0Nxx. See pg 52.
	70°	594M7	

BOXES

POLY CONDUIT ENTRY w/NPT				
* 27.7 in³	30°	1/2"	514B3N05	For poly devices only
	30°	3/4"	514B3N07	
	30°	1"	514B3N10	* Interior volume with receptacle installed.
	30°	1 1/4"	514B3N12	

POLY WALL BOX w/ANGLE				
* 181.24 in³	70°		514C7000	70° poly boxes are not drilled. Contact Customer Service if factory drilling is required.
		Ground Bar	51AA089	* Interior volume with receptacle installed.

POLY ANGLE WITH METAL BOX w/NPT				
* 177.7 in³	70°	1/2"	714C7N05	* Interior volume with receptacle installed.
	70°	3/4"	714C7N07	
	70°	1"	714C7N10	
	70°	1 1/4"	714C7N12	
	70°	1 1/2"	714C7N15	

METAL BOX w/NPT			
	0°	1"	7T4F0N10
	0°	1 1/4"	7T4F0N12
	0°	1 1/2"	7T4F0N15
	0°	2"	7T4F0N20

POLY ANGLE WITH METAL BOX w/NPT				
* 61.0 in³ Poly Angle * 59.4 in³ Metal Angle	30°	1"	714C3N10	For metal angle, replace "71" prefix with "79".
	30°	1 1/4"	714C3N12	
	30°	1 1/2"	714C3N15	* Interior volume with receptacle installed.
	30°	2"	714C3N20	

MISCELLANEOUS ACCESSORIES

FINGER DRAWPLATES		
	31-6A346	Set of Two (2) Recommended for cord to cord assembly applications, for easier connector closure.

PROTECTIVE INLET/PLUG CAP		
	31-6A426	For Inlets/Plugs Only.

PADLOCKABLE INLET/PLUG CAP		
	DS6PC	Poly – For Inlets/Plugs Only.
	DS6MC	Aluminum – For Inlets/Plugs Only. -A155 suffix required to maintain water ingress protection.

SPRING-LOADED PADLOCKABLE INLET/PLUG CAP			
	31-6A226	For Poly Inlets/Plugs Only.	-A155 suffix required to maintain water ingress protection.
	39-6A226	For Metal Inlets/Plugs Only.	

RECEPTACLE LOCKING PIN		
	LP-843	Requires Padlockable Pawl option (-843) on receptacle.

DS100 Switch-Rated Plugs & Receptacles – 100 A

UL/CSA Ratings

- **Max Amperage & Voltage**
  100 A, 600 VAC
- **Switch-Rating (AC Only)**
  Branch Circuit & Motor Circuit Disconnect Switching
- **Horsepower Ratings**

120 V	1Ø	3 hp
240 V	1Ø	7.5 hp
208 V	3Ø	10 hp
240 V	3Ø	10 hp
480 V	3Ø	30 hp

- **Short Circuit Rating**
  65 kA Close & Withstand
  Testing was performed with RK5 time delay fuses sized at 100% of the device's rated ampacity. Alternate testing was performed with 175 A RK1 non-time delay Mersen fuses.
- **Environmental Ratings**
  Type 4X /IP69/IP69K
- **Temperature Range**
  Min -40°F/Max 140°F
  See pg 266 for temps below -15°F.
- **Wiring Capacity**
  Min 4 AWG Max 2/0 AWG
  Aux Contacts - Max 14 AWG
  Based on THHN wire sizes.
- **Certifications**
  UL 2682, UL 1682, CSA 182.1

Receptacle (female) **Inlet (male)**

If you have an existing removable and/or permanently attached drawbar, contact Customer Service.

Don't forget to add installation accessories to your order

North American UL/CSA Configurations

Voltage	Polarity	Part # Poly	Part # Metal	Part # Poly	Part # Metal
120 V	1P+N+G	33-94165	37-94165	33-98165	37-98165
120 208 V	3P+N+G	33-94167	37-94167	33-98167	37-98167
125 V	1P+N+G	33-94075	37-94075	33-98075	37-98075
125 250 V	2P+N+G	33-94076	37-94076	33-98076	37-98076
208 V	2P+G	33-94162	37-94162	33-98162	37-98162
208 V	3P+G	33-94163	37-94163	33-98163	37-98163
250 V	2P+G	33-94072	37-94072	33-98072	37-98072
250 V	3P+G	33-94073	37-94073	33-98073	37-98073
277 V	1P+N+G	33-94045	37-94045	33-98045	37-98045
277 480 V	3P+N+G	33-94047	37-94047	33-98047	37-98047
347 600 V	3P+N+G	33-94147	37-94147	33-98147	37-98147
480 V	2P+G	33-94042	37-94042	33-98042	37-98042
480 V	3P+G	33-94043	37-94043	33-98043	37-98043
600 V	2P+G	33-94142	37-94142	33-98142	37-98142
600 V	3P+G	33-94143	37-94143	33-98143	37-98143

For international configurations and ratings (IEC,CE) visit meltric.com/international-catalog or contact Customer Service at 800-433-7642.

Main Options

Auxiliary/Pilot Contacts

Mushroom Pawl

Padlock Pawl

Closed Lid Configuration
Recommended for cord applications to keep lid tucked in to avoid damage.

Receptacle Options	Suffix #	Inlet Options	Suffix #
With 2 Auxiliary/Pilot Contacts	Recept # -262	With 2 Auxiliary/Pilot Contacts	Inlet # -262
With 4 Auxiliary/Pilot Contacts	Recept # -264	With 4 Auxiliary/Pilot Contacts	Inlet # -264
With 6 Auxiliary/Pilot Contacts	Recept # -976	With 6 Auxiliary/Pilot Contacts	Inlet # -976
Straight Insertion	Recept # -352~	Self-Ejecting Plug Release**	Inlet # -338
Self-Ejecting Connector Release**	Recept # -354~	With No Lockout Hole	Inlet # -A155
Mushroom Pawl	Recept # -375	For Auxiliary Switch	Inlet # -270+
Padlock Pawl	Recept # -843		
Padlockable Mushroom Pawl	Recept # -375-843		
Screw-Type Locking Pawl	Recept # -845		
Metal Pawl (on Poly Receptacle)	Recept # -824		
Closed Lid Configuration	Recept # -NC		
With Auxiliary Switch	Recept # -270+		

Notes: + Not UL/CSA listed.
** For self-ejecting connectors and plugs, a -443 suffix must be added to the handle part number. See pages 251-252 for more information.
~ Standard closed lid configuration.

See pages 243-252 for detailed information on these options

Order Example: 480 V DS100 + 2 auxiliary contacts
DS100 Poly inlet 3P+G = 33-98043***-262***

INSTALLATION ACCESSORIES – SIZE 5

Unless indicated otherwise, accessories can be used with either poly or metal plugs and receptacles.

HANDLES

HANDLE w/NPT		Part # Poly	Part # Metal
Poly / Metal	3/4"	515P0N07	595P0N07
	1"	515P0N10	595P0N10
	1 1/4"	515P0N12	595P0N12
	1 1/2"	515P0N15	595P0N15
	2"	515P0N20	595P0N20

For available cord grips, see page 169. Add -443 for self-ejecting.

POLY HANDLE w/CORD GRIP	Cable Range	Part #
	.980 - 1.260"	715P0EP4
	1.260 - 1.560"	715P0FP1
	1.520 - 1.860"	715P0GP2
METAL HANDLE w/CORD GRIP		
	1.250 - 1.375"	795P0FS1
	1.438 - 1.562"	795P0FS2*
	1.562 - 1.688"	795P0FS3*
	1.688 - 1.812"	795P0GS1

*May require stripping of cable jacket.

METAL OVERSIZED HANDLE w/NPT	
3/4"	795P0N07
1"	795P0N10
1 1/4"	795P0N12
1 1/2"	795P0N15
2"	795P0N20
2 1/2"	795P0N25

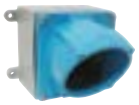
For available cord grips, see page 169.

SANTOPRENE HANDLE		
IP66/IP67	.70 - 1.000"	555P0D25
	.984 - 1.377"	555P0D35
	1.378 - 1.771"	555P0D45
POLY HANDLE w/CLAMP & BUSHING		
	1.250 - 1.375"	715P0S22
	1.438 - 1.562"	715P0S25
	1.562 - 1.688"	715P0S27
	1.688 - 1.812"	715P0S29

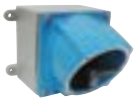
ANGLES

POLY ANGLE			
	30°	515M3	
METAL ANGLE			
	0°	595M0	
	30°	595M3	
	Oversized 30°	795M3	Mounts on oversize box only. Order with 7T6F0N25XL. See pg 54.
	70°	595M7	

BOXES

POLY ANGLE WITH METAL BOX w/NPT			
 * 108.7 in^3	30°	1 1/4"	715C3N12
	30°	1 1/2"	715C3N15
	30°	2"	715C3N20
	30°	2 1/2"	715C3N25

* Interior volume with receptacle installed.

METAL ANGLE WITH METAL BOX w/NPT			
 * 111.8 in^3	30°	1 1/4"	795C3N12
	30°	1 1/2"	795C3N15
	30°	2"	795C3N20
	30°	2 1/2"	795C3N25

* Interior volume with receptacle installed.

METAL BOX w/NPT			
	0°	1 1/4"	7T5F0N12
	0°	1 1/2"	7T5F0N15
	0°	2"	7T5F0N20
	0°	2 1/2"	7T5F0N25

NPT on top or bottom (if rotated). For other NPT configurations, contact Customer Service.

MISCELLANEOUS ACCESSORIES

PROTECTIVE INLET/PLUG CAP		
	31-9A426	For Inlets/Plugs Only. Covers lockout hole for watertight seal on inlet. Consult Customer Service for availability.
PADLOCKABLE INLET/PLUG CAP		
	DS9MC	Aluminum – For Inlets/Plugs Only. -A155 suffix required to maintain water ingress protection.
CORD GRIP with MESH		
	see pg 169	
EASY RETROFIT ADAPTER PLATES		
	see pg 166	Mount to existing boxes.
RECEPTACLE LOCKING PIN		
	LP-843	Requires Padlockable Pawl option (-843) on receptacle.

DS200 Switch-Rated Plugs & Receptacles – 200 A

UL/CSA Ratings

- **Max Amperage & Voltage**
  200 A, 600 VAC
- **Switch-Rating (AC Only)**
  Branch Circuit & Motor Circuit Disconnect Switching
- **Horsepower Ratings**

208 V	3Ø	40 hp
240 V	3Ø	40 hp
480 V	3Ø	100 hp
600 V	3Ø	100 hp

- **Short Circuit Rating**
  65 kA Close & Withstand
  Testing was performed with RK5 time delay fuses sized at 100% of the device's rated ampacity.

  10 kA Close & Withstand
  Testing was performed with RK1 current limiting fuses sized at 400% of the highest full load motor ampacity.
- **Environmental Ratings**
  Type 4X /IP69/IP69K
- **Temperature Range**
  Min -40°F/Max 140°F
  See pg 266 for temps below -15°F.
- **Wiring Capacity**
  Min 4 AWG Max 4/0 AWG
  Aux Contacts - Max 14 AWG
  Based on THHN wire sizes.
- **Certifications**
  UL 2682, UL 1682, CSA 182.1

Receptacle (female)

Easy Closing Mechanism

If you have an existing removable and/or permanently attached drawbar, contact Customer Service.

Don't forget to add installation accessories to your order

Inlet (male)

Tabs for latching to closing mechanism

North American UL/CSA Configurations

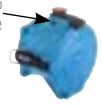
Voltage	Polarity	Part # Metal	Part # Metal
120 V	1P+N+G	37-24165	37-28165
120 208 V	3P+N+G	37-24167	37-28167
125 V	1P+N+G	37-24075	37-28075
125 250 V	2P+N+G	37-24076	37-28076
208 V	2P+G	37-24162	37-28162
208 V	3P+G	37-24163	37-28163
250 V	2P+G	37-24072	37-28072
250 V	3P+G	37-24073	37-28073
277 V	1P+N+G	37-24045	37-28045
277 480 V	3P+N+G	37-24047	37-28047
347 600 V	3P+N+G	37-24147	37-28147
480 V	2P+G	37-24042	37-28042
480 V	3P+G	37-24043	37-28043
600 V	2P+G	37-24142	37-28142
600 V	3P+G	37-24143	37-28143

For international configurations and ratings (IEC,CE) visit meltric.com/international-catalog or contact Customer Service at 800-433-7642.

Main Options

Auxiliary/Pilot Contacts

Mushroom Pawl



Padlock Pawl

Closed Lid Configuration
Recommended for cord applications to keep lid tucked in to avoid damage.

See pages 243-252 for detailed information on these options

Receptacle Options	Suffix #	Inlet Options	Suffix #
With 2 Auxiliary/Pilot Contacts	Recept # -972	With 2 Auxiliary/Pilot Contacts	Inlet # -972*
With 4 Auxiliary/Pilot Contacts	Recept # -174+	With 4 Auxiliary/Pilot Contacts	Inlet # -174+
With 6 Auxiliary/Pilot Contacts	Recept # -976+	With 6 Auxiliary/Pilot Contacts	Inlet # -976+
Straight Insertion	Recept # -A188++~	Self-Ejecting Plug Release•	Inlet # -338-A188++~
Mushroom Pawl	Recept # -375	For Auxiliary Switch	Inlet # -270++
Padlock Pawl	Recept # -843	With No Lockout Hole	Inlet # -A155
Padlockable Mushroom Pawl	Recept # -375-843		
Screw-Type Locking Pawl	Recept # -845		
Closed Lid Configuration	Recept # -NC		
With Auxiliary Switch	Recept # -270++		

Notes: * Customers needing to maintain compatibility with old style -172 auxiliary contacts should use a -172 suffix.
+ This option not available with N contact.
++ Not UL/CSA listed.
• For self-ejecting plugs a -443 suffix must be added to the handle part number. See page 251-252 for more information.
~ Standard closed lid configuration.

Order Example: 480 V DS200 + 2 auxiliary contacts
DS200 Metal inlet 3P+G = 37-28043-**972**

INSTALLATION ACCESSORIES – SIZE 6

Unless indicated otherwise, accessories can be used with either poly or metal plugs and receptacles.

HANDLES

HANDLE w/NPT		Part # Poly	Part # Metal
Poly	1"	516P0N10	596P0N10
	1 1/4"	516P0N12	596P0N12
	1 1/2"	516P0N15	596P0N15
Metal	2"	516P0N20	596P0N20
	2 1/2"	516P0N25	596P0N25
	3"	-	596P0N30

For available cord grips, see page 169. Add -443 for self-ejecting (inlet only)

POLY HANDLE w/CORD GRIP	Cable Range	Part #
	1.520 - 1.860"	716P0GP2
	1.850 - 2.190"	716P0GP3*

*May require stripping of cable jacket.

METAL HANDLE w/CORD GRIP		
	1.688 - 1.812"	796P0GS1
	1.812 - 1.938"	796P0GS2*
	1.938 - 2.062"	796P0JS1
	2.062 - 2.188"	796P0JS2
	2.188 - 2.312"	796P0JS3
	2.312 - 2.438"	796P0JS4*
	2.437 - 2.625"	796P0KS1
	2.625 - 2.812"	796P0KS2

*May require stripping of cable jacket.

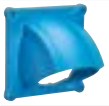
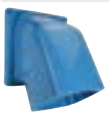
METAL OVERSIZED HANDLE w/NPT	
	1 1/4" 796P0N12
	1 1/2" 796P0N15
	2" 796P0N20
	2 1/2" 796P0N25
	3" 796P0N30

For available cord grips, see page 169.

SANTOPRENE HANDLE		
	.984 - 1.378"	556P0D35
	1.378 - 1.772"	556P0D45
	1.772 - 1.929"	556P0D49

IP66/IP67

ANGLES

METAL ANGLE			
	0°	596M0	
	Oversized 45°	796M4	Mounts on oversize metal box only.
	60°	596M6	
	Extended 60°	597M6	

BOXES

METAL ANGLE WITH METAL BOX w/NPT			Part #	
* 248.4 in^3	60°	1 1/2"	796C6N15	* Interior volume with receptacle installed.
	60°	2"	796C6N20	
	60°	2 1/2"	796C6N25	

METAL BOX w/NPT			
	0°	1 1/2"	7T6F0N15
	0°	2"	7T6F0N20
	0°	2 1/2"	7T6F0N25

METAL OVERSIZED BOX w/NPT			
	0°	2"	7T6F0N20XL
	0°	2 1/2"	7T6F0N25XL
	0°	3"	7T6F0N30XL

NPT on top or bottom (if rotated). For other NPT configurations, contact Customer Service.

MISCELLANEOUS ACCESSORIES

PROTECTIVE INLET/PLUG CAP		
	39-2A426	Covers lockout hole for watertight seal on inlet. Consult Customer Service for availability. For Inlets/Plugs Only.

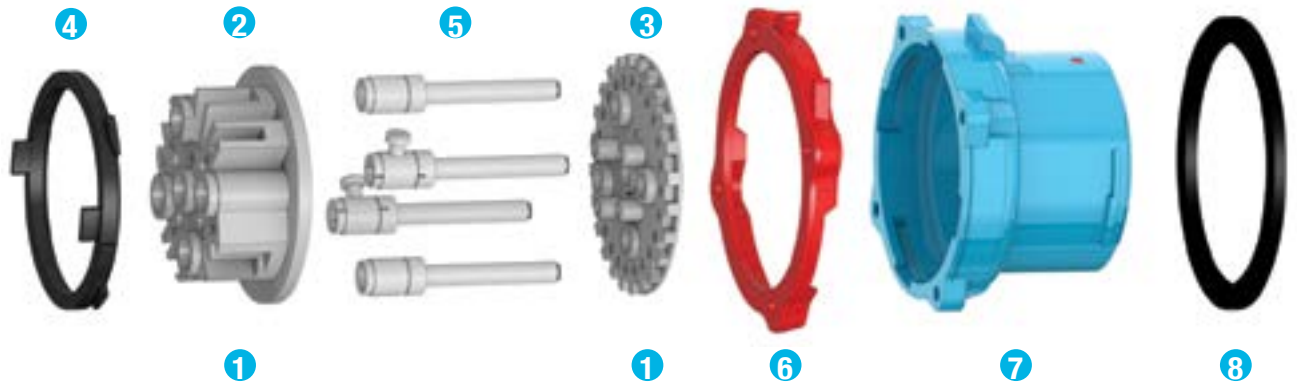
PADLOCKABLE INLET/PLUG CAP		
	DS2MC	Aluminum – For Inlets/Plugs Only. -A155 suffix required to maintain water ingress protection.

CORD GRIP with MESH		
	see pg 169	

EASY RETROFIT ADAPTER PLATES		
	see pg 166	Mount to existing boxes.

RECEPTACLE LOCKING PIN		
	LP-843	Requires Padlockable Pawl option (-843) on receptacle.

DS SPARE PARTS Male Configuration



			DS20 POLY	DS30 POLY	DS60 POLY	DS60 METAL	DS100C POLY	DS100C METAL	DS100 POLY	DS100 METAL	DS200 METAL
1	Plug Interior***		31-1A010*	31-3A010*	31-6A010*	31-6A010*	31-6A010-C*	31-6A010-C*	61-9A010*	69-9A010*	39-2A010*
1	Plug Interior w/Ground Contacts***		-	-	-	39-6A110*	-	39-6A110-C*	-	69-9A110*	39-2A110*
1	Plug Interior with 2 Pilots+		31-1A310-972*	31-3A310-972*	31-6A310-972*	31-6A310-972*	31-6A310-C-972*	31-6A310-C-972*	61-9A310-262*	61-9A310-262*	39-2A310-972*
2	Interior Bottom***		31-1A010-B	31-3A010-B	31-6A010-B	31-6A010-B	31-6A010-C-B	31-6A010-C-B	61-9A551	69-9A551	39-2A010-B
3	Interior Top***		31-1A010-T*	31-3A010-T*	31-6A010-T*	31-6A010-T*	31-6A010-C-T*	31-6A010-C-T*	61-9A010-T*	69-9A010-T*	39-2A010-T*
4	Polyester Locking Ring		31-1A583	31-3A583	31-6A583	-	31-6A583	-	31-9A583	-	-
4	Metal Locking Ring		-	-	-	39-6A583	-	39-6A583	-	39-9A583	39-2A583
5	Plug Phase Contact (If no aux. contacts)		31-1A011-380	31-3A011-380	31-6A011	31-6A011	31-6A011-C	31-6A011-C	61-9A011	61-9A011	39-2A011
5	Plug Phase Contact (If plug has aux. contacts)		31-1A011	31-3A011-380	31-6A011	31-6A011	31-6A011-C	31-6A011-C	61-9A011	61-9A011	39-2A011
5	Plug Ground Contact		31-1A019	31-3A019	31-6A019	31-6A019	31-6A019-C	39-6A019-C	61-9A019	69-9A019	39-2A019
6	Color-Coded Voltage Gasket	125 V	31-1AC26	31-3AC26	31-6AC26	31-6AC26	31-6AC26	31-6AC26	31-9AC26	31-9AC26	39-2AC26
		208 V	31-1AB26	31-3AB26	31-6AB26	31-6AB26	31-6AB26	31-6AB26	31-9AB26	31-9AB26	39-2AB26
		250 V	31-1AC26	31-3AC26	31-6AC26	31-6AC26	31-6AC26	31-6AC26	31-9AC26	31-9AC26	39-2AC26
		480 V	31-1AR26	31-3AR26	31-6AR26	31-6AR26	31-6AR26	31-6AR26	31-9AR26	31-9AR26	39-2AR26
		600 V	31-1AN26	31-3AN26	31-6AN26	31-6AN26	31-6AN26	31-6AN26	31-9AN26	31-9AN26	39-2AN26
7	Plug Polyester Casing		31-1A014**	31-3A014**	31-6A014**	-	31-6A014-C**	-	61-9A014**	-	-
7	Plug Metal Casing		-	-	-	39-6A014**	-	39-6A014-C**	-	39-9A014**	39-2A014**
8	Type 4X Gasket		31-1A056	31-3A056	31-6A066	39-6A066	31-6A066	39-6A066	-	31-9A066	39-2A056

* Voltage and phasing positions must be specified (5th, 6th & 7th digit of Part #) to duplicate your shutter and alignment notches.

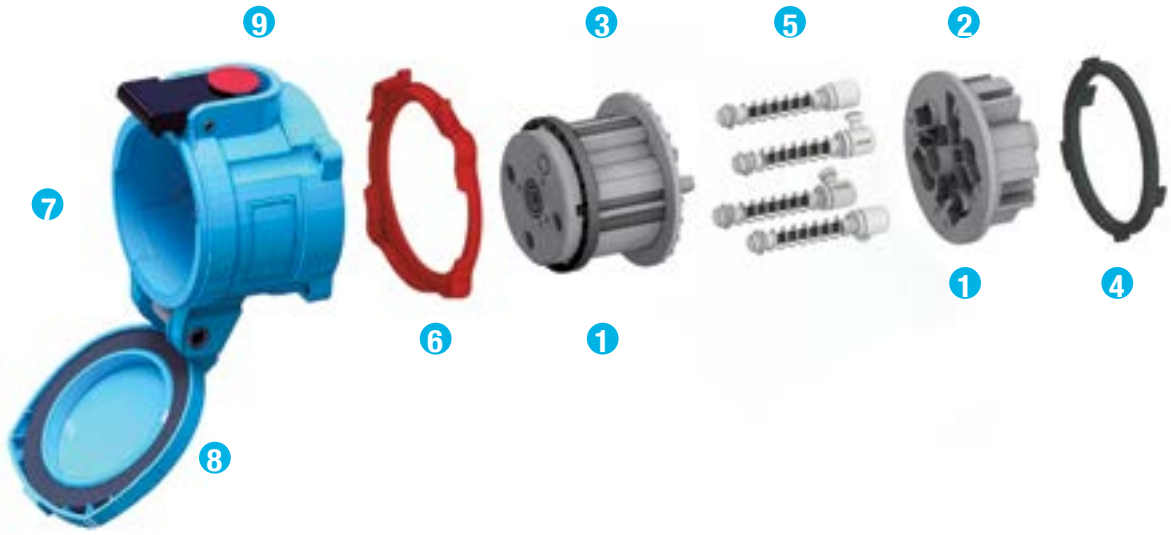
** For appropriate labeling on a device, please specify voltage, phasing, and product type.

*** For interiors with pilot contacts, contact Customer Service for part numbers.

+ For interiors with more than 2 pilot contacts, contact Customer Service for part numbers.

For replacement parts contact Customer Service at 800-433-7642

DS SPARE PARTS Female Configuration



			DS20 POLY	DS30 POLY	DS60 POLY	DS60 METAL	DS100C POLY	DS100C METAL	DS100 POLY	DS100 METAL	DS200 METAL
1	Receptacle Interior***		31-1A020*	31-3A020*	31-6A020*	31-6A020*	31-6A020-C*	31-6A020-C*	61-9A020*	69-9A020*	39-2A020*
1	Recept Interior w/Ground Contacts***		-	-	-	39-6A220*	-	39-6A220-C*	-	69-9A220*	39-2A220*
1	Receptacle Interior with 2 Pilots+		31-1A320-972*	31-3A320-972*	31-6A320-972*	31-6A320-972*	31-6A320-C-972*	31-6A320-C-972*	61-9A320-262*	61-9A320-262*	39-2A320-972*
2	Interior Bottom***		31-1A020-B	31-3A020-B	31-6A020-B	31-6A020-B	31-6A020-C-B	31-6A020-C-B	61-9A552	69-9A552	39-2A020-B
3	Interior Top***		31-1A020-T*	31-3A020-T*	31-6A020-T*	31-6A020-T*	31-6A020-C-T*	31-6A020-C-T*	61-9A020-T*	69-9A020-T*	39-2A020-T*
4	Polyester Locking Ring		31-1A583	31-3A583	31-6A583	-	31-6A583	-	31-9A583	-	-
4	Metal Locking Ring		-	-	-	39-6A583	-	39-6A583	-	39-9A583	39-2A583
5	Recept Phase Contact (If no aux. contacts)		31-1A021-380	31-3A021-380	31-6A021	31-6A021	31-6A021-C	31-6A021-C	61-9A021	61-9A021	39-2A021
5	Recept Phase Contact (If plug has aux. contacts)		31-1A021	31-3A021-380	31-6A021	31-6A021	31-6A021-C	31-6A021-C	61-9A021	61-9A021	39-2A021
5	Recept Ground Contact		31-1A029	31-3A029	31-6A029	39-6A029	31-6A029-C	39-6A029-C	61-9A029	69-9A029	39-2A029
6	Color-Coded Voltage Gasket	125 V	31-1AC26	31-3AC26	31-6AC26	31-6AC26	31-6AC26	31-6AC26	31-9AC26	31-9AC26	39-2AC26
		208 V	31-1AB26	31-3AB26	31-6AB26	31-6AB26	31-6AB26	31-6AB26	31-9AB26	31-9AB26	39-2AB26
		250 V	31-1AC26	31-3AC26	31-6AC26	31-6AC26	31-6AC26	31-6AC26	31-9AC26	31-9AC26	39-2AC26
		480 V	31-1AR26	31-3AR26	31-6AR26	31-6AR26	31-6AR26	31-6AR26	31-9AR26	31-9AR26	39-2AR26
		600 V	31-1AN26	31-3AN26	31-6AN26	31-6AN26	31-6AN26	31-6AN26	31-9AN26	31-9AN26	39-2AN26
7	Receptacle Polyester Casing w/Lid		31-1A024**	31-3A024**	31-6A024**	-	31-6A024-C**	-	61-9A024**	-	-
7	Receptacle Metal Casing w/Lid		-	-	-	39-6A024**	-	39-6A024-C**	-	39-9A024A**	39-2A024**
8	Lid Replacement Kit Polyester		31-1A125	31-3A125	31-6A425	-	31-6A425	-	61 -9A125	-	-
8	Lid Replacement Kit Metal		-	-	-	39-6A925	-	39-6A925	-	39-9A925A	39-2A925
9	Pawl Replacement Kit Polyester		31-1A824	31-3A824	31-6A824	-	31-6A824	-	61 -9A824	-	-
9	Pawl Replacement Kit Metal		39-1A824	39-3A824	39-6A824	39-6A824	39-6A824	39-6A824	69-9A924	39-9A824A	39-2A824

* Voltage and phasing positions must be specified (5th, 6th & 7th digit of Part #) to duplicate your shutter and alignment notches.

** For appropriate labeling on a device, please specify voltage, phasing, and product type.

*** For interiors with pilot contacts, contact Customer Service for part numbers.

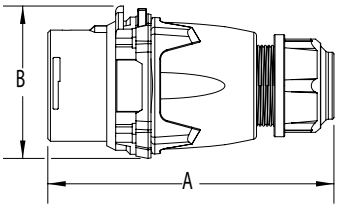
+ For interiors with more than 2 pilot contacts, contact Customer Service for part numbers.

For replacement parts contact Customer Service at 800-433-7642

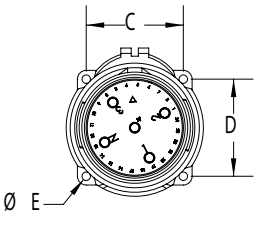
DS DIMENSIONS – Provided in inches

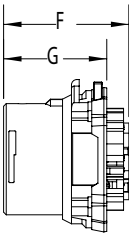
Dimensions are for reference only and may change depending on accessories used. For precise dimensions contact MELTRIC Engineering.

Plug



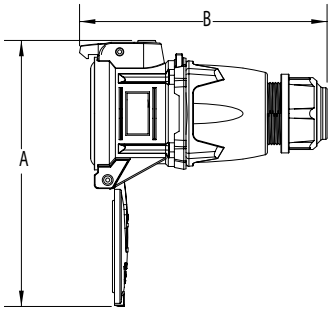
Inlet



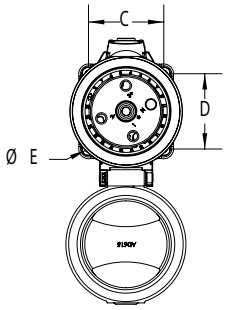


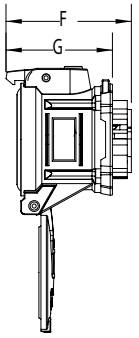
PRODUCT	A	B	C	D	øE	F	G
DS20	5.72	2.79	1.89	1.89	0.2	2.28	1.86
DS30	6.15	3.23	2.17	2.17	0.2	2.93	2.07
DS60/DS100C/DS7c	6.70	3.77	2.59	2.59	0.24	3.42	2.38
DS100	8.33	4.59	3.20	3.2	0.24	4.14	3.04
DS200	10.30	5.67	3.86	3.86	0.26	4.66	3.20

Connector

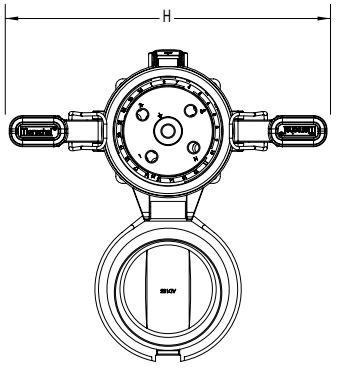


Receptacle



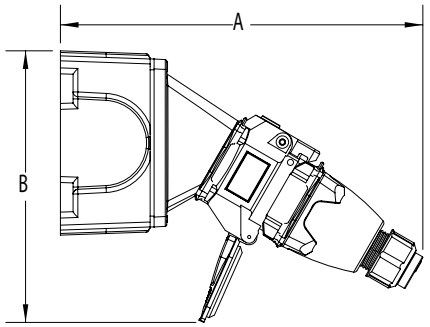


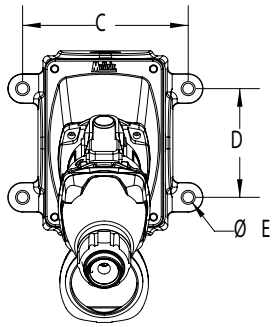
Extended Draw bars



PRODUCT	A	B	C	D	øE	F	G	H
DS20	6.32	6.38	1.89	1.89	0.2	3.3	2.60	N/A
DS30	7.16	6.93	2.17	2.17	0.2	3.73	2.87	N/A
DS60/DS100C/DS7c	8.96	7.90	2.59	2.59	0.22	4.53	3.37	N/A
DS100	11.80	10.02	3.20	3.2	0.23	5.71	4.74	11.25
DS200	12.70	10.87	3.86	3.86	0.26	6.21	4.75	12.07

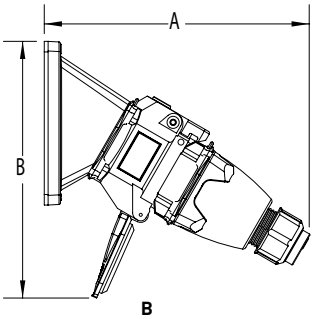
Box/30° Angle/ Receptacle/Plug

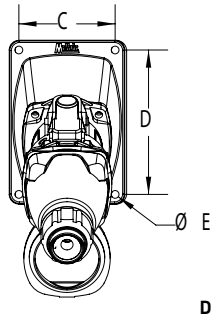




PRODUCT	A	B	C	D	øE
DS20	9.84	7.29	4.19	2.75	0.27
DS30	10.30	8.39	4.19	2.75	0.27
DS60/DS100C/DS7c	11.87	10.74	5.00	3.81	0.33
DS100	16.06	11.77	6.75	4.25	0.31
DS200	15.76	12.70	8.13	6.38	0.31

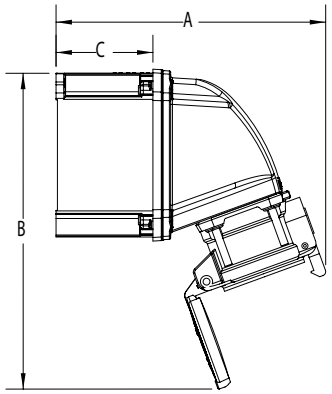
30° Angle/Receptacle/Plug

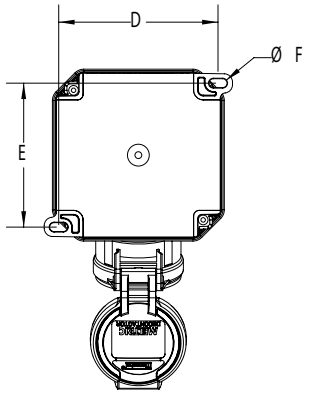




PRODUCT	A	B	C	D	øE
DS20	7.60	7.87	2.50	3.75	0.22
DS30	8.19	8.44	2.50	3.75	0.22
DS60/DS100C/DS7c	9.17	10.45	3.43	4.83	0.26
DS100	14.09	12.05	4.83	4.83	0.28
DS200	11.61	16.20	6.50	6.50	0.25

70° Wall Box/ Receptacle

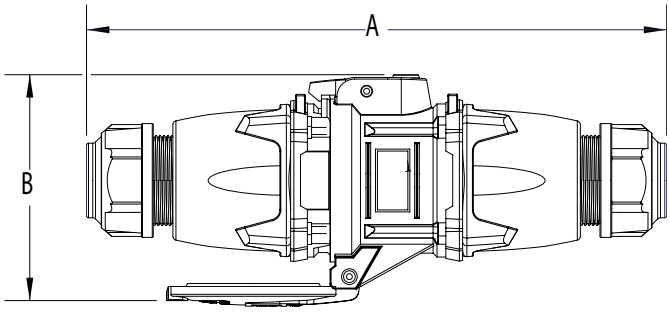




PRODUCT	A	B	C	D	E	øF
DS20	7.78	9.11	2.80	4.60	4.15	0.26
DS30*	8.91	11.55	2.80	6.17	5.73	0.26
DS60/DS100C/DS7c*	9.07	12.70	2.80	6.17	5.73	0.26

* Box has 4 mounting feet.

Plug/Connector



PRODUCT	A	B
DS20	10.20	4.61
DS30	10.91	5.71
DS60/DS100C/DS7c	12.17	6.57
DS100	19.53	8.03
DS200	23.15	8.00

MULTIPIN
Plugs & Receptacles

MELTRIC offers a broad range of multipin devices for use in a wide variety of control and power applications. Each device features MELTRIC's spring-loaded, silver-nickel butt-style contact technology that maximizes durability and performance. Multipin devices are available with as many as 37 or as few as 4 contacts. Products range from 2 A up to 50 A per contact and some include load making and breaking capabilities and/or horsepower ratings.

NOM ratings available upon request.

COMPACT 5 TO 7 PIN CONNECTORS

- Up to 15 A per contact
- IP66/IP67
- Poly or metal casings

COMPACT 12 PIN CONNECTORS

- Up to 7.5 A per contact
- IP66/IP67
- Poly or metal casings

POLY CONNECTORS UP TO 12 PINS

- Up to 7.5 A per contact
- IP66/IP67/IP69
- Crimp or solder terminals

POLY CONNECTORS UP TO 24 PINS

- Up to 7.5 A per contact
- IP66/IP67
- Crimp or solder terminals

POLY CONNECTORS UP TO 37 PINS

- Up to 7.5 A per contact
- IP66/IP67
- Crimp or solder terminals

HP RATED CONNECTORS-9 PINS

- Up to 5 hp @ 480 VAC or 20 A per contact
- Multiple power or control circuits
- Metal casings

HP RATED CONNECTORS-20 PINS

- Up to 3 hp @ 480 VAC or 15 A per contact
- Multiple power or control circuits
- Metal casings

HIGHER AMP 4 TO 7 PIN CONNECTOR

DS7c

- Up to 30 A per contact
- Suitable for current interrupting
- Up to 3 auxiliary contacts

DR7c

- Up to 50 A per contact
- Non-current interrupting
- Up to 3 auxiliary contacts

CRIMPING CONTACTS

PN12c/DSN12c/ DSN24c/DSN37c

ECONOMIC AND TECHNICAL ADVANTAGES

Crimping ensures an economical and sustainable solution through installation time saving and quality of connection.

- No need for soldering performance qualifications.
- High resistance to vibrations.
- Handling more than 5000 operations: a high durability and quality of connection guaranteed.

ACCESSORIES AND OPTIONS	DESIGNATION		REFERENCE
	Bag of 13 female contacts	PN12c	01-AA213
		DSN12c	61-AA213
		DSN24c	61-BA213
		DSN37c	61-CA213
	Bag of 13 male contacts	PN12c	01-AA113
		DSN12c	61-AA113
		DSN24c	61-BA113
		DSN37c	61-CA113
	Multi-Contact removal tool		61-CA593
	European crimping tool		61-CA500
	Crimper Tool (Greenlee or equal)		4CN30

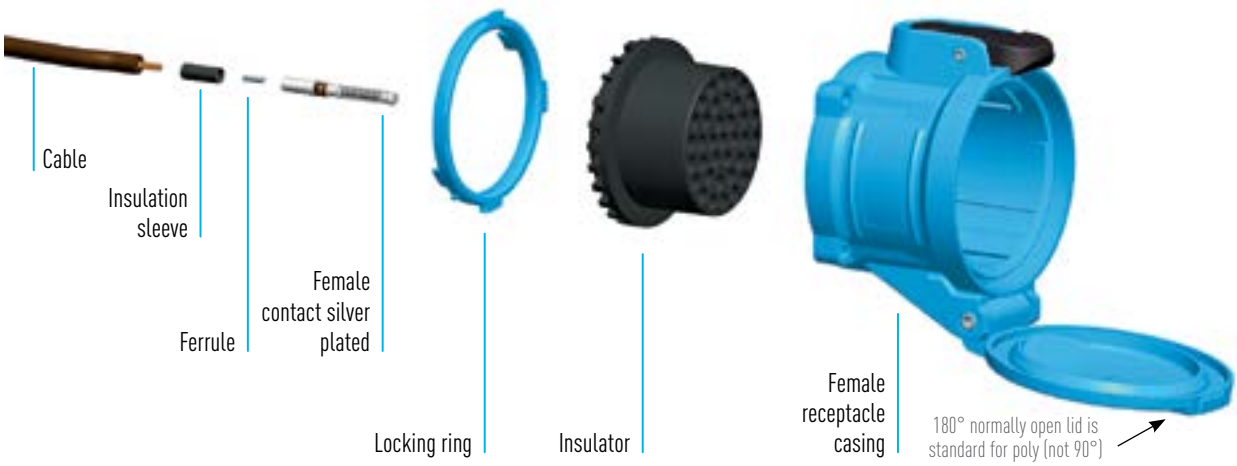
FAST WIRING

- Cable conductors: 1 mm² to 2.5 mm².
- Before wiring, equip each conductor with a heat-shrink sleeve or an insulating sleeve.
- After wiring, cover the visible portion of the contact with the sleeve.
- Crimp the contact with a KNIPEX crimping tool P/N° 61CA500 or a GREENLEE crimping tool P/N° 45505.
- Use the 4 mm² footprint whatever the conductor cross-section.
- Perform a double crimping in compliance with CEI 60352-2 standard.
- Conductors can equally be soldered.

SIMPLE ASSEMBLY AND DISASSEMBLY

Assembly
To insert contacts when they have been wired is simple.
Push wired contact into rear of insulator until it stops to complete the installation.

Disassembly
To remove, use the tool provided.
Push tool from front onto contact until tool stops.
Contact is then released at rear of insulator.



PN7c Multipin Plugs & Receptacles – 15 A

Ratings

- **Voltage**
  480 VAC Max/130 VDC
- **Amperage Rating**
  15 A Current Interrupting (AC only)
  ! Capable of handling 4-20 mA low current applications.
- **Environmental Ratings**
  IP66/IP67 (Poly & Metal)+
- **Temperature Range**
  Min -40°F/Max 140°F
  See pg 266 for temps below -15°F.
- **Wiring Capacity**
  Min 18 AWG Max 10 AWG
- **Certifications**
  UL+, CSA+

+ Does not apply to stainless steel version.

See pgs. 111-112 for PN7c dimensions.

Receptacle (female)

Inlet (male)

! Don't forget to add installation accessories to your order

North American Configurations

Voltage	Polarity	Part # Poly	Part # Metal	Part # Stainless Steel	Part # Poly	Part # Metal	Part # Stainless Steel
480 V	4P+G	01-P4041	09-P4041	09-04041-SS	01-P8041	09-P8041	09-08041-SS
480 V	5P+G	01-P4051	09-P4051	09-04051-SS	01-P8051	09-P8051	09-08051-SS
480 V	6P+G	01-P4061	09-P4061	09-04061-SS	01-P8061	09-P8061	09-08061-SS

For international configurations and ratings (IEC,CE) visit meltric.com/international-catalog or contact Customer Service at 800-433-7642.

Main Options

Reverse Interiors

Flush Mount (replaces female casing)

Locking Pawl

Receptacle Options	Suffix #	Inlet Options	Suffix #
Reverse Interiors	**Recept # -001**	Reverse Interiors	**Inlet # - 001**
With Flush Mount (poly only)	**Recept # - 142+**		
Locking Pawl (poly/metal only)	**Recept # - 824-300**		
Normally Closed Lid	**Recept # - NC**		

+ IP55 rating with Flush Mount casing.

! See pages 243-252 for detailed information on these options

Order Example: 600 V PN7c + Reverse Interiors
PN7c Receptacle 5P+G = 01-P4051***-001***

INSTALLATION ACCESSORIES – SIZE 1

Unless indicated otherwise, accessories can be used with either poly or metal plugs and receptacles. Stainless steel devices should use stainless steel accessories.

HANDLES

HANDLE w/NPT		Part # Poly	Part # Metal
Poly / Metal	1/2"	511P0N05	591P0N05
	3/4"	511P0N07	591P0N07
	1"	511P0N10	591P0N10

For available cord grips, see page 169.

POLY HANDLE w/CORD GRIP	Cable Range	Part #
	.350 - .520"	711P0BP6
	.520 - .680"	711P0CP5
	.680 - .980"	711P0DP4

METAL HANDLE w/CORD GRIP		
	.438 - .500"	791P0BS3
	.500 - .562"	791P0BS4
	.562 - .625"	791P0CS1
	.625 - .750"	791P0CS4
	.750 - .875"	791P0DS1
	.875 - 1.000"	791P0DS3

POLY 90° HANDLE w/NPT		
	1/2"	751P9N05
	3/4"	751P9N07
	1"	751P9N10

STAINLESS STEEL HANDLE w/NPT		
For Stainless Steel devices only.	1/2"	7X1P0N05
	3/4"	7X1P0N07

For 1/2" NPT size, a hole size reducer is utilized.

POLY HANDLE		
	.35 - .70"	511P0D18

POLY ANGLED HANDLE		
	.35 - .70"	511P6D18

ANGLES

POLY ANGLE				
	MB Box 30°	511M3	70°	511M7

METAL ANGLE			
	0°	591M0	
	FS/FD Box 30°	791M3FS	* Base measures approximately 4.2" x 2.7". Due to the variation in sizes of FS boxes, please verify that your FS box matches our dimensions, if not call Customer Service for other solutions.
	45°	591M4	

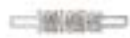
STAINLESS STEEL ANGLE			
	30°	7X1M4	For Stainless Steel devices only.

BOXES

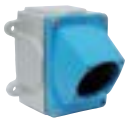
POLY CONDUIT ENTRY w/NPT				
* 7.0 in³	30°	1/2"	511B3N05	* Interior volume with receptacle installed.
	30°	3/4"	511B3N07	

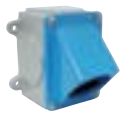
POLY WALL BOX w/NPT				
* 3.4 in³	0°	1/2"	511B0N05	* Interior volume with receptacle installed.
	0°	3/4"	511B0N07	

METAL WALL BOX w/NPT				
* 3.8 in³	0°	1/2"	591B0N05	* Interior volume with receptacle installed.
	0°	3/4"	591B0N07	

POLY WALL BOX w/ANGLE				
* 82.0 in³	70°		511C7000	70° poly boxes are not drilled. Contact Customer Service if factory drilled is required. * Interior volume with receptacle installed.
		Ground Bar	51AA089	

METAL BOX w/NPT			
	0°	1/2"	7T1F0N05
	0°	3/4"	7T1F0N07
	0°	1"	7T1F0N10
	0°	1 1/4"	7T1F0N12

POLY ANGLE WITH METAL BOX w/NPT				
 * 30.0 in³	30°	1/2"	711C3N05	* Interior volume with receptacle installed.
	30°	3/4"	711C3N07	
	30°	1"	711C3N10	
	30°	1 1/4"	711C3N12	

METAL ANGLE WITH METAL BOX w/NPT			
 * 27.0 in³	45°	1/2"	791C4N05
	45°	3/4"	791C4N07
	45°	1"	791C4N10
	45°	1 1/4"	791C4N12

STAINLESS STEEL BOX WITH STAINLESS STEEL ANGLE w/NPT				
	30°	3/4"	7X1C3N07	* Includes angle adapter as shown. For Stainless Steel devices only.
	30°	1"	7X1C3N10	

NPT on top or bottom (if rotated). For other NPT configurations, contact Customer Service.

MISCELLANEOUS ACCESSORIES

PROTECTIVE INLET/PLUG CAP		
	01-NA426	For Inlets/Plugs Only.

FLUSH MOUNT	
	01-2A142

CORD GRIP with MESH	
	see pg 169

PN12c Multipin Plugs & Receptacles – 7.5 A

Ratings

- **Voltage**
  600 VAC Max/130 VDC
- **Amperage Rating**
  2 A Current Interrupting (AC only)
  7.5 A Non-Current Interrupting
  ! PN12c is capable of handling 4-20 mA low current applications.
- **Environmental Ratings**
  IP66/IP67 (Poly & Metal)+
- **Temperature Range**
  Min -40°F/Max 140°F
  See pg 266 for temps below -15°F.
- **Wiring Capacity**
  Min 18 AWG Max 14 AWG

+ Does not apply to stainless steel version.

See pgs. 111-112 for PN12c dimensions

Receptacle (female)

Inlet (male)

! Don't forget to add installation accessories to your order

North American Configurations

Voltage	Polarity	Part # Poly	Part # Metal	Part # Stainless Steel	Part # Poly	Part # Metal	Part # Stainless Steel
600 V	11P+G	03-A4001	07-A4001	07-A4001-SS	03-A8001	07-A8001	07-A8001-SS

For international configurations and ratings (IEC,CE) visit meltric.com/international-catalog or contact Customer Service at 800-433-7642.

Main Options

Reverse Interiors

Flush Mount (replaces female casing)

Locking Pawl

Receptacle Options	Suffix #	Inlet Options	Suffix #
Reverse Interiors	**Recept # -001**	Reverse Interiors	**Inlet # -001**
With Flush Mount (poly only)	**Recept # -142+**		
Locking Pawl	**Recept # -824-300**		
Normally Closed Lid	**Recept # - NC**		

+ IP55 rating with Flush Mount casing.

! See pages 243-252 for detailed information on these options

Order Example: 600 V PN12c + Reverse Interiors
PN12c Receptacle 11P+G = 03-A4001***-001***

INSTALLATION ACCESSORIES – SIZE 1

Unless indicated otherwise, accessories can be used with either poly or metal plugs and receptacles. Stainless steel devices should use stainless steel accessories.

HANDLES

HANDLE w/NPT		Part # Poly	Part # Metal
Poly	1/2"	511P0N05	591P0N05
	3/4"	511P0N07	591P0N07
Metal	1"	511P0N10	591P0N10

For available cord grips, see page 169.

POLY HANDLE w/CORD GRIP	Cable Range	Part #
	.350 - .520"	711P0BP6
	.520 - .680"	711P0CP5
	.680 - .980"	711P0DP4
METAL HANDLE w/CORD GRIP		
	.438 - .500"	791P0BS3
	.500 - .562"	791P0BS4
	.562 - .625"	791P0CS1
	.625 - .750"	791P0CS4
	.750 - .875"	791P0DS1
	.875 - 1.000"	791P0DS3

POLY 90° HANDLE w/NPT		
	1/2"	751P9N05
	3/4"	751P9N07
	1"	751P9N10

STAINLESS STEEL HANDLE w/NPT		
	1/2"	7X1P0N05
	3/4"	7X1P0N07
	1"	7X1P0N10

For Stainless Steel devices only.

For 1/2" NPT size, a hole size reducer is utilized.

POLY HANDLE		
	.35 - .70"	511P0D18

POLY ANGLED HANDLE		
	.35 - .70"	511P6D18

ANGLES

POLY ANGLE					
	MB Box 30°	511M3		70°	511M7 Panel mounting only.

METAL ANGLE			
	0°	591M0	
	FS/FD Box 30°	791M3FS	* Base measures approximately 4.2" x 2.7". Due to the variation in sizes of FS boxes, please verify that your FS box matches our dimensions, if not call Customer Service for other solutions.
	45°	591M4	

STAINLESS STEEL ANGLE			
	30°	7X1M4	For Stainless Steel devices only.

BOXES

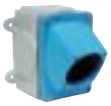
POLY CONDUIT ENTRY w/NPT			Part #	
* 7.0 in³	30°	1/2"	511B3N05	* Interior volume with receptacle installed.
	30°	3/4"	511B3N07	

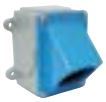
POLY WALL BOX w/NPT				
* 3.4 in³	0°	1/2"	511B0N05	* Interior volume with receptacle installed.
	0°	3/4"	511B0N07	

METAL WALL BOX w/NPT				
* 3.8 in³	0°	1/2"	591B0N05	* Interior volume with receptacle installed.
	0°	3/4"	591B0N07	

POLY WALL BOX w/ANGLE				
* 82.0 in³	70°		511C7000	70° poly boxes are not drilled. Contact Customer Service if factory drilled is required. * Interior volume with receptacle installed.
		Ground Bar	51AA089	

METAL BOX w/NPT			
	0°	1/2"	7T1F0N05
	0°	3/4"	7T1F0N07
	0°	1"	7T1F0N10
	0°	1 1/4"	7T1F0N12

POLY ANGLE WITH METAL BOX w/NPT				
 * 30.0 in³	30°	1/2"	711C3N05	* Interior volume with receptacle installed.
	30°	3/4"	711C3N07	
	30°	1"	711C3N10	
	30°	1 1/4"	711C3N12	

METAL ANGLE WITH METAL BOX w/NPT				
 * 27.0 in³	45°	1/2"	791C4N05	* Interior volume with receptacle installed.
	45°	3/4"	791C4N07	
	45°	1"	791C4N10	
	45°	1 1/4"	791C4N12	

STAINLESS STEEL BOX WITH STAINLESS STEEL ANGLE w/NPT				
	30°	3/4"	7X1C3N07	* Includes angle adapter as shown. For Stainless Steel devices only.
	30°	1"	7X1C3N10	

MISCELLANEOUS ACCESSORIES

PROTECTIVE INLET/PLUG CAP		
	01-NA426	For Inlets/Plugs Only.

FLUSH MOUNT	
	01-2A142

CORD GRIP with MESH	
	see pg 169

MULTI-CONTACT REMOVAL TOOL	
	61-CA593

CRIMPER TOOL (GREENLEE OR EQUAL)	
	4CN30

EUROPEAN CRIMPING TOOL	
	61-CA500

DSN12c Multipin Plugs & Receptacles – 7.5 A

Ratings

- **Voltage**
  DSN12c
  480 VAC Max/130 VDC
- **Amperage Rating**
  2 A Current Interrupting (AC Only)
  7.5 A Non-Current Interrupting
  ! DSN12c is capable of handling 4-20 mA low current applications.
- **Environmental Ratings**
  IP66/IP67/IP69
- **Temperature Range**
  Min -40°F/Max 140°F
  See pg 266 for temps below -15°F.
- **Wiring Capacity**
  Min 18 AWG Max 14 AWG

See pg 39-40 for DSN12 dimensions.

Receptacle
(female)

Inlet
(male)

! Don't forget to add installation accessories to your order

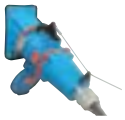
North American Configurations

Voltage	Polarity	Part # Poly	Part # Poly
480 V	11P+G	63-A4001	63-A8001

Main Options

Padlock Pawl

Mushroom Pawl



Self-Ejecting Devices

Receptacle Options	Suffix #	Inlet Options	Suffix #
Straight Insertion	**Recept # -352+/++**	Self-Ejecting Plug Release**	**Inlet # -338**
Self-Ejecting Connector Release**	**Recept # -354++**		
Mushroom Pawl	**Recept # -375**		
Padlock Pawl	**Recept # -843**		
Padlockable Mushroom Pawl	**Recept # -375-843**		
Closed Lid Configuration	**Recept # -NC**		

Notes: + Required for use with Self-Ejecting Plug Release option.
** For self-ejecting connectors and plugs a -443 suffix must be added to the handle part number. See pages 251-252 for more information.
++ Standard closed lid configuration.

! See pages 243-252 for detailed information on these options

Order Example: 480 V DSN12c + mushroom pawl
DSN12c 11P+G Receptacle = 63-A4001***-375***

INSTALLATION ACCESSORIES – SIZE 1

Accessories can be used with either poly or metal plugs and receptacles.

HANDLES

HANDLE w/NPT		Part # Poly	Part # Metal
Poly / Metal	1/2"	511P0N05	791P0N05L
	3/4"	511P0N07	791P0N07L
	1"	511P0N10	791P0N10L

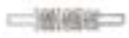
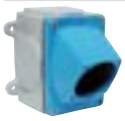
For available cord grips, see page 169. Add -443 for self-ejecting.

POLY HANDLE w/CORD GRIP	Cable Range	Part #
	.350 - .520"	711P0BP6
	.520 - .680"	711P0CP5
	.680 - .980"	711P0DP4
METAL HANDLE w/CORD GRIP		
	.438 - .500"	791P0BS3L
	.500 - .562"	791P0BS4L
	.562 - .625"	791P0CS1L
	.625 - .750"	791P0CS4L
POLY HANDLE		
	.35 - .70"	511P0D18
POLY EXTENDED HANDLE		
	.20 - .82"	511P0D21
POLY ANGLED HANDLE		
	.35 - .70"	511P6D18

ANGLES

POLY ANGLE			
	MB Box 30°	511M3	
	70°	511M7	Panel mounting only.
METAL ANGLE			
	0°	591M0	
	FS/FD Box 30°	791M3FS	* Base measures approximately 4.2" x 2.7". Due to the variation in sizes of FS boxes, please verify that your FS box matches our dimensions, if not call Customer Service for other solutions.
	45°	591M4	

BOXES

POLY CONDUIT ENTRY w/NPT			Part #	
* 6.7 in³	30°	1/2"	511B3N05	* Interior volume with receptacle installed.
	30°	3/4"	511B3N07	
POLY WALL BOX w/ANGLE				
* 82.0 in³	70°		511C7000	70° poly boxes are not drilled. Contact Customer Service if factory drilled is required. * Interior volume with receptacle installed.
		Ground Bar	51AA089	
POLY ANGLE WITH METAL BOX w/NPT				
* 74.6 in³	70°	1/2"	711C7N05	* Interior volume with receptacle installed.
	70°	3/4"	711C7N07	
	70°	1"	711C7N10	
	70°	1 1/4"	711C7N12	
	70°	1 1/2"	711C7N15	
METAL BOX w/NPT				
	0°	1/2"	7T1F0N05	
	0°	3/4"	7T1F0N07	
	0°	1"	7T1F0N10	
	0°	1 1/4"	7T1F0N12	
POLY ANGLE WITH METAL BOX w/NPT				
 * 29.8 in³	30°	1/2"	711C3N05	* Interior volume with receptacle installed.
	30°	3/4"	711C3N07	
	30°	1"	711C3N10	
	30°	1 1/4"	711C3N12	

NPT on top or bottom (if rotated). For other NPT configurations, contact Customer Service.

MISCELLANEOUS ACCESSORIES

FINGER DRAWPLATES		
	61-1A346	Set of Two (2) Recommended for cord to cord assembly applications, for easier connector closure.
PROTECTIVE INLET/PLUG CAP		
	61-1A426	For Inlets/Plugs Only.
PADLOCKABLE INLET/PLUG CAP		
	61-1A826	For Inlets/Plugs Only.
MULTI-CONTACT REMOVAL TOOL		
	61-CA593	
CRIMPER TOOL (GREENLEE OR EQUAL)		
	4CN30	
EUROPEAN CRIMPING TOOL		
	61-CA500	
RECEPTACLE LOCKING PIN		
	LP-843	Requires Padlockable Pawl option (-843) on receptacle.

DSN24c/DS24c Multipin Plugs & Receptacles – 7.5 A

Ratings

- **Voltage**
  DSN24c
  480 VAC Max/130 VDC
  DS24c
  250 VAC Max/130 VDC
- **Amperage Rating**
  2 A Current Interrupting (AC Only)
  7.5 A Non-Current Interrupting
  ! DSN24c/DS24c is capable of handling 4-20 mA low current applications.
- **Environmental Ratings**
  IP66/IP67 (Poly only)
  IP54/IP55 (Stainless Steel)
- **Temperature Range**
  Min -40°F/Max 140°F
  See pg 266 for temps below -15°F.
- **Wiring Capacity**
  Min 18 AWG Max 14 AWG

For DSN24c dimensions, see pgs 39-40.

! Don't forget to add installation accessories to your order

Receptacle (female) **Inlet (male)**

North American Configurations

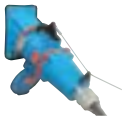
Voltage	Polarity	Part # Poly	Part # Stainless Steel	Part # Poly	Part # Stainless Steel
250 V	23P+G	-	**37-B4002-SS**	-	**37-B8002-SS**
480 V	23P+G	**63-B4002**	-	**63-B8002**	-

For international configurations and ratings (IEC,CE) visit meltric.com/international-catalog or contact Customer Service at 800-433-7642.

Main Options

Padlock Pawl

Mushroom Pawl



Self-Ejecting Devices
* Requires straight insertion receptacle or inlet and self-ejecting plug or connector.

Poly Devices Only

Receptacle Options	Suffix #	Inlet Options	Suffix #
Straight Insertion	**Recept # - 352~**	Self-Ejecting Plug Release**	**Inlet # - 338**
Self-Ejecting Connector Release**	**Recept # - 354~**		
Mushroom Pawl	**Recept # - 375**		
Padlock Pawl	**Recept # - 843**		
Padlockable Mushroom Pawl	**Recept # - 375-843**		
Closed Lid Configuration	**Recept # - NC**		

Notes: ** For self-ejecting connectors and plugs a -443 suffix must be added to the handle part number. See pages 251-252 for more information.
~ Standard closed lid configuration.

! See pages 243-252 for detailed information on these options

Order Example: 480 V DSN24c + mushroom pawl
DSN24c 22P Poly receptacle = 63-B4002-***375***

INSTALLATION ACCESSORIES – SIZE 2

Unless indicated otherwise, accessories can be used with either poly or metal plugs and receptacles. Stainless steel devices should use stainless steel accessories.

HANDLES

HANDLE w/NPT		Part # Poly
	1/2"	512P0N05
	3/4"	512P0N07
	1"	512P0N10
	1 1/4"	512P0N12

For available cord grips, see page 169. Add -443 for self-ejecting.

POLY HANDLE w/CORD GRIP	Cable Range	Part #
	.350 - .520"	712P0BP6
	.520 - .680"	712P0CP5
	.680 - .980"	712P0DP4
	.980 - 1.260"	712P0EP4

STAINLESS STEEL HANDLE w/NPT		
For Stainless Steel devices only.	3/4"	7X2P0N07
	1"	7X2P0N10

POLY HANDLE		
	.20 - .82"	512P0D21

POLY HANDLE w/CLAMP & BUSHING		
	.750 - .875"	712P0S14
	.875 - 1.000"	712P0S16
	1.000 - 1.125"	712P0S18
	1.125 - 1.250"	712P0S20
	1.250 - 1.375"	712P0S22

ANGLES

POLY ANGLE					
	30°	512M3		70°	512M7 Panel mounting only.

METAL ANGLE			
	0°	592M0	
	30°	592M3	
	FS/FD Box 30°	792M3FS	* Base measures approximately 4.2" x 2.7". Due to the variation in sizes of FS boxes, please verify that your FS box matches our dimensions, if not call Customer Service for other solutions.

STAINLESS STEEL ANGLE		
	30°	7X2M3

BOXES

POLY CONDUIT ENTRY w/NPT			Part #	
* 8.5 in^3	30°	1/2"	512B3N05	For poly devices only. * Interior volume with receptacle installed.
	30°	3/4"	512B3N07	

POLY WALL BOX w/ANGLE				
* 82.0 in^3	70°		512C7000	70° poly boxes are not drilled. Contact Customer Service if factory drilled is required. * Interior volume with receptacle installed.
		Ground Bar	51AA089	

POLY ANGLE WITH METAL BOX w/NPT			
* 74.6 in^3	70°	1/2"	712C7N05
	70°	3/4"	712C7N07
	70°	1"	712C7N10
	70°	1 1/4"	712C7N12
	70°	1 1/2"	712C7N15

* Interior volume with receptacle installed.

METAL BOX w/NPT			
	0°	1/2"	7T1F0N05
	0°	3/4"	7T1F0N07
	0°	1"	7T1F0N10
	0°	1 1/4"	7T1F0N12

POLY ANGLE WITH METAL BOX w/NPT				
* 30.2 in^3	30°	1/2"	712C3N05	For metal angle, replace "71" prefix with "79". * Interior volume with receptacle installed.
	30°	3/4"	712C3N07	
	30°	1"	712C3N10	
	30°	1 1/4"	712C3N12	

STAINLESS STEEL BOX w/NPT				
	0°	1"	7X1F0N10	For Stainless Steel devices only.

STAINLESS STEEL ANGLE W/STAINLESS STEEL BOX w/NPT				
	30°	3/4"	7X2C3N07	For Stainless Steel devices only.
	30°	1"	7X2C3N10	

MISCELLANEOUS ACCESSORIES

Poly Devices Only

FINGER DRAWPLATES		
	61-3A346	Set of Two (2) Recommended for cord to cord assembly applications, for easier connector closure.

PROTECTIVE INLET/PLUG CAP		
	61-3A426	For Inlets/Plugs Only.

PADLOCKABLE INLET/PLUG CAP		
	61-3A826	For Inlets/Plugs Only.

MULTI-CONTACT REMOVAL TOOL	
	61-CA593

CRIMPER TOOL (GREENLEE OR EQUAL)	
	4CN30

EUROPEAN CRIMPING TOOL	
	61-CA500

DSN37c/DS37c Multipin Plugs & Receptacles – 7.5 A

Ratings

- **Voltage**
  480 VAC Max/130 VDC
- **Amperage Rating**
  2 A Current Interrupting (AC Only)
  7.5 A Non-Current Interrupting
  ! DSN37c/DS37c is capable of handling 4-20 mA low current applications.
- **Environmental Ratings**
  IP66/IP67 (Poly only)
  IP54/IP55 (Stainless Steel)
- **Temperature Range**
  Min -40°F/Max 140°F
  See pg 266 for temps below -15°F.
- **Wiring Capacity**
  Min 18 AWG Max 14 AWG

For DSN37c dimensions, see pgs 39-40.

Receptacle (female)

Inlet (male)

! Don't forget to add installation accessories to your order

North American Configurations

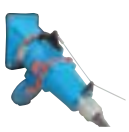
Voltage	Polarity	Part # Poly	Part # Stainless Steel	Part # Poly	Part # Stainless Steel
480 V	36P+G	63-C4003	37-C4003-SS	63-C8003	37-C8003-SS

For international configurations and ratings (IEC,CE) visit meltric.com/international-catalog or contact Customer Service at 800-433-7642.

Main Options

Padlock Pawl

Mushroom Pawl



Self-Ejecting Devices
* Requires straight insertion receptacle or inlet and self-ejecting plug or connector.

Poly Devices Only

Receptacle Options	Suffix #	Inlet Options	Suffix #
Straight Insertion	Recept # -352~	Self-Ejecting Plug Release**	Inlet # -338
Self-Ejecting Connector Release**	Recept # -354~		
Mushroom Pawl	Recept # -375		
Padlock Pawl	Recept # -843		
Padlockable Mushroom Pawl	Recept # -375-843		
Closed Lid Configuration	Recept # -NC		

Notes: ** For self-ejecting connectors and plugs, a -443 suffix must be added to the handle part number. See pages 251-252 for more information.
~ Standard closed lid configuration.

! See pages 243-252 for detailed information on these options

Order Example: 480 V DSN37 + mushroom pawl
DSN37c 32P Poly receptacle = 63-C4003***-375***

INSTALLATION ACCESSORIES – SIZE 3

Unless indicated otherwise, accessories can be used with either poly or metal plugs and receptacles. Stainless steel devices should use stainless steel accessories.

HANDLES

POLY HANDLE w/NPT		Part # Poly
	1/2"	513P0N05
	3/4"	513P0N07
	1"	513P0N10
	1 1/4"	513P0N12

For available cord grips, see page 169. Add -443 for self-ejecting.

POLY HANDLE w/CORD GRIP	Cable Range	Part #
	.520 - .680"	713P0CP5
	.680 - .980"	713P0DP4
	.980 - 1.260"	713P0EP4

STAINLESS STEEL HANDLE w/NPT		
For Stainless Steel devices only.	3/4"	7X3P0N07
	1"	7X3P0N10
	1 1/4"	7X3P0N12

POLY HANDLE		
	.39 - 1.18"	513P0D30

POLY HANDLE w/BUILT IN DRAW GRIPS		
	.39 - 1.18"	513P0D30473
	Makes connector closures easier.	

POLY HANDLE w/CLAMP & BUSHING		
	.750 - .875"	713P0S14
	.875 - 1.000"	713P0S16
	1.000 - 1.125"	713P0S18
	1.125 - 1.250"	713P0S20
	1.250 - 1.375"	713P0S22

ANGLES

POLY ANGLE					
	30°	513M3		70°	513M7 Panel mounting only.

METAL ANGLE			
	0°	593M0	
	30°	593M3	
	FS/FD Box 30°	793M3FS	* Base measures approximately 4.2" x 2.7". Due to the variation in sizes of FS boxes, please verify that your FS box matches our dimensions, if not call Customer Service for other solutions.
	70°	593M7	

STAINLESS STEEL ANGLE			
	30°	7X3M3	For Stainless Steel devices only.

BOXES

POLY CONDUIT ENTRY w/NPT				
* 8.5 in³	30°	1/2"	513B3N05	For poly devices only.
	30°	3/4"	513B3N07	* Interior volume with receptacle installed.
	30°	1"	513B3N10	

POLY WALL BOX w/ANGLE				
* 179.41 in³	70°		513C7000	70° poly boxes are not drilled. Contact Customer Service if factory drilled is required. * Interior volume with receptacle installed.
		Ground Bar	51AA089	

POLY ANGLE WITH METAL BOX w/NPT				
* 74.6 in³	70°	1/2"	713C7N05	* Interior volume with receptacle installed.
	70°	3/4"	713C7N07	
	70°	1"	713C7N10	
	70°	1 1/4"	713C7N12	
	70°	1 1/2"	713C7N15	

METAL BOX w/NPT			
	0°	1/2"	7T1F0N05
	0°	3/4"	7T1F0N07
	0°	1"	7T1F0N10
	0°	1 1/4"	7T1F0N12

POLY ANGLE WITH METAL BOX w/NPT				
* 30.2 in³	30°	1/2"	713C3N05	For metal angle, replace "71" prefix with "79". * Interior volume with receptacle installed.
	30°	3/4"	713C3N07	
	30°	1"	713C3N10	
	30°	1 1/4"	713C3N12	

STAINLESS STEEL BOX w/NPT				
	0°	1"	7X1F0N10	For Stainless Steel devices only.

STAINLESS STEEL ANGLE W/STAINLESS STEEL BOX w/NPT				
	30°	1"	7X3C3N10	For Stainless Steel devices only.

MISCELLANEOUS ACCESSORIES

Poly Devices Only

FINGER DRAWPLATES		
	61-6A346	Set of Two (2) Recommended for cord to cord assembly applications, for easier connector closure.

PROTECTIVE INLET/PLUG CAP		
	61-6A426	For Inlets/Plugs Only.

PADLOCKABLE INLET/PLUG CAP		
	61-6A826	For Inlets/Plugs Only.

MULTI-CONTACT REMOVAL TOOL		
	61-CA593	

CRIMPER TOOL (GREENLEE OR EQUAL)		
	4CN30	

EUROPEAN CRIMPING TOOL		
	61-CA500	

DN9c Multipin Plugs & Receptacles – 20 A

Ratings

- **Voltage**
  50 VAC or 480 VAC Max/130 VDC+
  + For DC order 480 V model.
  Not CSA listed.
- **Amperage Rating**
  20 A Current Interrupting (AC Only)
- **Horsepower Ratings**

120 V	1Ø	1/2 hp
240 V	1Ø	1 1/2 hp
208 V	3Ø	2 hp
240 V	3Ø	3 hp
480 V	3Ø	5 hp

- **Environmental Ratings**
  IP54/IP55
- **Temperature Range**
  Min -40°F/Max 140°F
  See pg 266 for temps below -15°F.
- **Wiring Capacity**
  Min 16 AWG Max 10 AWG
- **Certifications**
  CSA 182.01

Receptacle (female)

Inlet (male)

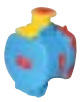
! Don't forget to add installation accessories to your order

North American Configurations

Voltage	Polarity	Part # Metal	Part # Metal
50 V	6P	17-14060	17-18060
50 V	7P	17-14070	17-18070
50 V	8P	17-14080	17-18080
50 V	9P	17-14090	17-18090
480 V	5P+G	17-14051	17-18051
480 V	6P+G	17-14061	17-18061
480 V	7P+G	17-14071	17-18071
480 V	8P+G	17-14081	17-18081

For international configurations and ratings (IEC,CE) visit meltric.com/international-catalog or contact Customer Service at 800-433-7642.

Main Options



Mushroom Pawl

Padlock Pawl

Receptacle Options	Suffix #
Straight Insertion	Recept # -A188~
Self-Ejecting Connector Release**	Recept # -348-A188~
HP Watertightness (high pressure)	Recept # -HP~
Mushroom Pawl	Recept # -375
Screw-Type Locking Pawl	Recept # -845
Padlock Pawl	Recept # -843
Padlockable Mushroom Pawl	Recept # -375-843
Closed Lid Configuration	Recept # -NC

Notes: ** For self-ejecting connectors and plugs, a -443 suffix must be added to the handle part number. See pages 251-252 for more information.
~ Standard closed lid configuration.

! See pages 243-252 for detailed information on these options

Order Example: 50 V DN9c with Closed Lid Configuration
DN9c Receptacle 9P = 17-14090-***NC***

INSTALLATION ACCESSORIES – SIZE 3

Unless indicated otherwise, accessories can be used with either poly or metal plugs and receptacles.

HANDLES

HANDLE w/NPT		Part # Poly	Part # Metal
Poly / Metal	1/2"	513P0N05	593P0N05
	3/4"	513P0N07	593P0N07
	1"	513P0N10	593P0N10
	1 1/4"	513P0N12	593P0N12

For available cord grips, see page 169. Add -443 for self-ejecting.

POLY HANDLE w/CORD GRIP	Cable Range	Part #
	.520 - .680"	713P0CP5
	.680 - .980"	713P0DP4
	.980 - 1.260"	713P0EP4

METAL HANDLE w/CORD GRIP		
	.625 - .750"	793P0CS4
	.750 - .875"	793P0DS1
	.875 - 1.000"	793P0DS3
	1.000 - 1.125"	793P0ES2

POLY HANDLE		
	.39 - 1.18"	513P0D30

POLY HANDLE w/BUILT IN DRAW GRIPS		
	.39 - 1.18"	513P0D30473
	Makes connector closures easier.	

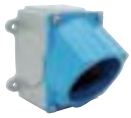
POLY HANDLE w/CLAMP & BUSHING		
	.770 - .875"	713P0S14
	.875 - 1.000"	713P0S16
	1.000 - 1.125"	713P0S18
	1.125 - 1.250"	713P0S20
	1.250 - 1.375"	713P0S22

ANGLES

METAL ANGLE			
	0°	593M0	
	30°	593M3	
	FS/FD Box 30°	793M3FS	* Base measures approximately 4.2" x 2.7". Due to the variation in sizes of FS boxes, please verify that your FS box matches our dimensions, if not call Customer Service for other solutions.
	70°	593M7	

BOXES

METAL BOX w/NPT			Part #
	0°	1/2"	7T1F0N05
	0°	3/4"	7T1F0N07
	0°	1"	7T1F0N10
	0°	1 1/4"	7T1F0N12

METAL ANGLE WITH METAL BOX w/NPT				
 * 30.1 in³	30°	1/2"	793C3N05	* Interior volume with receptacle installed.
	30°	3/4"	793C3N07	
	30°	1"	793C3N10	
	30°	1 1/4"	793C3N12	

NPT on top or bottom (if rotated). For other NPT configurations, contact Customer Service.

MISCELLANEOUS ACCESSORIES

FINGER DRAWPLATES		
	61-6A346	Set of Two (2) Recommended for cord to cord assembly applications, for easier connector closure.

PROTECTIVE INLET/PLUG CAP		
	19-1A126	For Inlets/Plugs Only.

CORD GRIP with MESH	
	see pg 169

RECEPTACLE LOCKING PIN		
	LP-843	Requires Padlockable Pawl option (-843) on receptacle.

DN20c Multipin Plugs & Receptacles – 20 A

Ratings

- **Voltage**
  50 VAC or 480 VAC Max / 130 VDC+
  + For DC order 480V model. Not CSA listed.
- **Amperage Rating**
  20 A / 15 A Current Interrupting* (AC Only)
  * The amperage rating is 15 A when more than 12 contacts are used for power circuits (not control).
- **Horsepower Ratings**

120 V	1Ø	1/6 hp
240 V	1Ø	1/2 hp
208 V	3Ø	1 hp
240 V	3Ø	1 hp
480 V	3Ø	3 hp

- **Environmental Ratings**
  IP54/IP55
- **Temperature Range**
  Min -40°F / Max 140°F
  See pg 266 for temps below -15°F.
- **Wiring Capacity**
  Min 16 AWG Max 10 AWG
- **Certifications**
  CSA 182.01

Receptacle (female)

Inlet (male)

! Don't forget to add installation accessories to your order

North American Configurations

Voltage	Polarity	Part # Metal	Part # Metal
50 V	10P	17-64100	17-68100
50 V	11P	17-64110	17-68110
50 V	12P	17-64120	17-68120
50 V	13P	17-64130	17-68130
50 V	14P	17-64140	17-68140
50 V	15P	17-64150	17-68150
50 V	16P	17-64160	17-68160
50 V	17P	17-64170	17-68170
50 V	18P	17-64180	17-68180
50 V	19P	17-64190	17-68190
50 V	20P	17-64200	17-68200
480 V	9P+G	17-64091	17-68091
480 V	10P+G	17-64101	17-68101
480 V	11P+G	17-64111	17-68111
480 V	12P+G	17-64121	17-68121
480 V	13P+G	17-64131	17-68131
480 V	14P+G	17-64141	17-68141
480 V	15P+G	17-64151	17-68151
480 V	16P+G	17-64161	17-68161
480 V	17P+G	17-64171	17-68171
480 V	18P+G	17-64181	17-68181
480 V	19P+G	17-64191	17-68191

For international configurations and ratings (IEC,CE) visit meltric.com/international-catalog or contact Customer Service at 800-433-7642.

Main Options

Mushroom Pawl

Self-Ejecting Devices
* Requires straight insertion receptacle or inlet and self-ejecting plug or connector.

! See pages 243-252 for detailed information on these options

Receptacle Options	Suffix #
Straight Insertion	Recept # -A188~
Self-Ejecting Connector Release**	Recept # -348-A188~
HP Watertightness (high pressure)	Recept # -HP~
Mushroom Pawl	Recept # -375
Screw-Type Locking Pawl	Recept # -845
Padlock Pawl	Recept # -843
Padlockable Mushroom Pawl	Recept # -375-843
180° Opening Lid	Recept # -180
Closed Lid Configuration	Recept # -NC

Inlet Options	Suffix #
Self-Ejecting Plug Release**	Inlet # -338-A188
Straight Insertion	Inlet # -A188

Notes: ** For self-ejecting connectors and plugs, a -443 suffix must be added to the handle part number. See pages 251-252 for more information.
~ Standard closed lid configuration.

Order Example: ***50 V DN20c with Closed Lid Configuration***
DN20c Receptacle 19P = 17-64190-***NC***

INSTALLATION ACCESSORIES – SIZE 5

Unless indicated otherwise, accessories can be used with either poly or metal plugs and receptacles.

HANDLES

HANDLE w/NPT		Part # Poly	Part # Metal
Poly	3/4"	515P0N07	595P0N07
	1"	515P0N10	595P0N10
	1 1/4"	515P0N12	595P0N12
Metal	1 1/2"	515P0N15	595P0N15
	2"	515P0N20	595P0N20

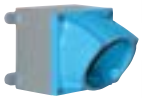
For available cord grips, see page 169. Add -443 for self-ejecting.

POLY HANDLE w/CORD GRIP	Cable Range	Part #
	.980 - 1.260"	715P0EP4
	1.260 - 1.560"	715P0FP1
	1.520 - 1.860"	715P0GP2
METAL HANDLE w/CORD GRIP		
	1.250 - 1.375"	795P0FS1
	1.438 - 1.562"	795P0FS2*
	1.562 - 1.688"	795P0FS3*
	1.688 - 1.812"	795P0GS1

*May require stripping of cable jacket.

POLY HANDLE w/CLAMP & BUSHING		
	1.250 - 1.375"	715P0S22
	1.438 - 1.562"	715P0S25
	1.562 - 1.688"	715P0S27
	1.688 - 1.812"	715P0S29
SANTOPRENE HANDLE		
	.70 - 1.000"	555P0D25
	.984 - 1.377"	555P0D35
	1.378 - 1.771"	555P0D45

BOXES

METAL BOX w/NPT			Part #
	0°	1 1/4"	7T5F0N12
	0°	1 1/2"	7T5F0N15
	0°	2"	7T5F0N20
	0°	2 1/2"	7T5F0N25
METAL ANGLE WITH METAL BOX w/NPT			
	30°	1 1/4"	795C3N12
	30°	1 1/2"	795C3N15
	30°	2"	795C3N20
* 118.9 in³	30°	2 1/2"	795C3N25

* Interior volume with receptacle installed.

NPT on top or bottom (if rotated). For other NPT configurations, contact Customer Service.

ANGLES

METAL ANGLE		
	0°	595M0
	30°	595M3
	70°	595M7

MISCELLANEOUS ACCESSORIES

PROTECTIVE INLET/PLUG CAP		
	19-6A126	For Inlets/Plugs Only.
CORD GRIP with MESH		
	see pg 169	
RECEPTACLE LOCKING PIN		
	LP-843	Requires Padlockable Pawl option (-843) on receptacle.

DS7c Multipin Plugs & Receptacles – 30 A

UL/CSA Ratings

- **Voltage**
  50 VAC or 600 VAC Max/130 VDC+
  + For DC order 600V model.
- **Amperage Rating**
  30 A Current Interrupting (AC Only
- **Temperature Range**
  Min -40°F/Max 140°F
  See pg 266 for temps below -15°F.
- **Environmental Ratings**
  IP54/IP55
- **Wiring Capacity**
  Min 14 AWG Max 8 AWG
- **Certifications**
  Contact Customer Service

For DS7c dimensions, see pgs 57-58.

Receptacle (female)

Inlet (male)

! Don't forget to add installation accessories to your order

North American Configurations

Voltage	Polarity	Part # Poly	Part # Metal	Part # Poly	Part # Metal
50 V	4P	33-34540	37-34540	33-38540	37-38540
50 V	5P	33-34550	37-34550	33-38550	37-38550
50 V	6P	33-34560	37-34560	33-38560	37-38560
50 V	7P	33-34570	37-34570	33-38570	37-38570
600 V	3P+G	33-34531	37-34531	33-38531	37-38531
600 V	4P+G	33-34541	37-34541	33-38541	37-38541
600 V	5P+G	33-34551	37-34551	33-38551	37-38551
600 V	6P+G	33-34561	37-34561	33-38561	37-38561

For international configurations and ratings (IEC,CE) visit meltric.com/international-catalog or contact Customer Service at 800-433-7642.

Main Options

Mushroom Pawl

Padlock Pawl

Self-Ejecting Devices
* Requires straight insertion receptacle or inlet and self- ejecting plug or connector.

Receptacle Options	Suffix #	Inlet Options	Suffix #
With 2 Auxiliary/Pilot Contacts	**Recept # -172**	With 2 Auxiliary/Pilot Contacts	**Inlet # -172**
With 3 Auxiliary/Pilot Contacts	**Recept # -173**	With 3 Auxiliary/Pilot Contacts	**Inlet # -173**
Type 4X & Closed Lid Configuration	**Recept # -4X**	Type 4X Watertightness	**Inlet # -4X**
Straight Insertion	**Recept # -352~**	Self-Ejecting Plug Release**	**Inlet # -338**
Self-Ejecting Connector Release**	**Recept # -354~**	With No Lockout Hole	**Inlet # -A155**
Mushroom Pawl	**Recept # -375**		
Padlock Pawl	**Recept # -843**		
Padlockable Mushroom Pawl	**Recept # -375-843**		
Screw-Type Locking Pawl	**Recept # -845**		
Metal Pawl (on poly receptacle)	**Recept # -824**		
Closed Lid Configuration	**Recept # -NC**		

Notes: ** For self-ejecting connectors and plugs, a -443 suffix must be added to the handle part number. See pages 251-252 for more information.
~ Standard closed lid configuration.

! See pages 243-252 for detailed information on these options

Order Example: 50 V DS7c + mushroom pawl
DS7c Poly receptacle 4P = 33-34540***-375***

INSTALLATION ACCESSORIES – SIZE 4

Accessories can be used with either poly or metal plugs and receptacles.

HANDLES

HANDLE w/NPT		Part # Poly	Part # Metal
Poly	1/2"	514P0N05	594P0N05
	3/4"	514P0N07	594P0N07
	1"	514P0N10	594P0N10
Metal	1 1/4"	514P0N12	594P0N12
	1 1/2"	514P0N15	594P0N15

For available cord grips, see page 169. Add -443 for self-ejecting.

POLY HANDLE w/CORD GRIP	Cable Range	Part #
	.680 - .980"	714P0DP4
	.980 - 1.260"	714P0EP4
	1.260 - 1.560"	714P0FP1
METAL HANDLE w/CORD GRIP		
	.750 - .875"	794P0DS1
	.875 - 1.000"	794P0DS3
	1.000 - 1.125"	794P0ES2
	1.250 - 1.375"	794P0FS1
	1.438 - 1.562"	794P0FS2*
	1.562 - 1.688"	794P0FS3*

*May require stripping of cable jacket.

POLY HANDLE		
	.51 - 1.38"	514P0D35
POLY HANDLE w/BUILT IN DRAW GRIPS		
	.51 - 1.38"	514P0D35473
	Makes connector closures easier.	
POLY HANDLE w/CLAMP & BUSHING		
	1.250 - 1.375"	714P0S22
	1.438 - 1.562"	714P0S25
	1.562 - 1.688"	714P0S27
	1.688 - 1.812"	714P0S29

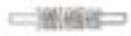
ANGLES

POLY ANGLE					
	30°	514M3		70°	514M7

METAL ANGLE			
	0°	594M0	
	30°	594M3	
	30°	794M3L	
	Oversized 30°	794M3	Mounts on oversize box only. Order with 7T5F0Nxx. See pg 52.
	70°	594M7	

BOXES

POLY CONDUIT ENTRY w/NPT				
* 28.1 in³	30°	1/2"	514B3N05	For poly devices only.
	30°	3/4"	514B3N07	
	30°	1"	514B3N10	* Interior volume with receptacle installed.
	30°	1 1/4"	514B3N12	

POLY WALL BOX w/ANGLE				
* 181.24 in³	70°		514C7000	70° poly boxes are not drilled. Contact Customer Service if factory drilled is required.
		Ground Bar	51AA089	* Interior volume with receptacle installed.

POLY ANGLE WITH METAL BOX w/NPT			
* 177.7 in³	70°	1/2"	714C7N05
	70°	3/4"	714C7N07
	70°	1"	714C7N10
	70°	1 1/4"	714C7N12
	70°	1 1/2"	714C7N15

* Interior volume with receptacle installed.

METAL BOX w/NPT		
	0°	1"	7T4F0N10
	0°	1 1/4"	7T4F0N12
	0°	1 1/2"	7T4F0N15
	0°	2"	7T4F0N20

POLY ANGLE WITH METAL BOX w/NPT				
* 61.0 in³ Poly Angle * 59.9 in³ Metal Angle	30°	1"	714C3N10	For metal angle, replace "71" prefix with "79".
	30°	1 1/4"	714C3N12	
	30°	1 1/2"	714C3N15	* Interior volume with receptacle installed.
	30°	2"	714C3N20	

NPT on top or bottom (if rotated). For other NPT configurations contact Customer Service.

MISCELLANEOUS ACCESSORIES

FINGER DRAWPLATES		
	31-6A346	Set of Two (2) Recommended for cord to cord assembly applications, for easier connector closure.
PROTECTIVE INLET/PLUG CAP		
	31-6A426	For Inlets/Plugs Only.
PADLOCKABLE INLET/PLUG CAP		
	DS6MC	Aluminum – For Inlets/Plugs Only. -A155 suffix required to maintain water ingress protection.
SPRING-LOADED PADLOCKABLE INLET/PLUG CAP		
	31-6A226 39-6A226	For Poly Inlets/Plugs Only. For Metal Inlets/Plugs Only.
		-A155 suffix required to maintain water ingress protection.
EASY RETROFIT ADAPTER PLATES		
	see pg 166	Mount to existing boxes.
RECEPTACLE LOCKING PIN		
	LP-843	Requires Padlockable Pawl option (-843) on receptacle.

DR7c Multipin Plugs & Receptacles – 50 A

UL/CSA Ratings

- **Voltage**
  50 VAC or 600 VAC Max/130 VDC+
  + For DC order 600V model.
- **Amperage Rating**
  50 A Non-Current Interrupting
- **Temperature Range**
  Min -40°F/Max 140°F
  See pg 266 for temps below -15°F.
- **Environmental Ratings**
  IP54/IP55
- **Wiring Capacity**
  Min 14 AWG Max 8 AWG
- **Certifications**
  Contact Customer Service

For DR7c dimensions, see pgs 103-104.

Receptacle (female)

Inlet (male)

! Don't forget to add installation accessories to your order

North American Configurations

Voltage	Polarity	Part # Poly	Part # Metal	Part # Poly	Part # Metal
50 V	4P	31-34940	39-34940	31-38940	39-38940
50 V	5P	31-34950	39-34950	31-38950	39-38950
50 V	6P	31-34960	39-34960	31-38960	39-38960
50 V	7P	31-34970	39-34970	31-38970	39-38970
600 V	3P+G	31-34931	39-34931	31-38931	39-38931
600 V	4P+G	31-34941	39-34941	31-38941	39-38941
600 V	5P+G	31-34951	39-34951	31-38951	39-38951
600 V	6P+G	31-34961	39-34961	31-38961	39-38961

For international configurations and ratings (IEC,CE) visit meltric.com/international-catalog or contact Customer Service at 800-433-7642.

Main Options

Mushroom Pawl

Padlock Pawl

Self-Ejecting Devices
* Requires straight insertion receptacle or inlet and self- ejecting plug or connector.

Receptacle Options	Suffix #	Inlet Options	Suffix #
With 2 Auxiliary/Pilot Contacts	**Recept # -172**	With 2 Auxiliary/Pilot Contacts	**Inlet # -172**
With 3 Auxiliary/Pilot Contacts	**Recept # -173**	With 3 Auxiliary/Pilot Contacts	**Inlet # -173**
Type 4X & Closed Lid Configuration	**Recept # -4X**	Type 4X Watertightness	**Inlet # -4X**
Straight Insertion	**Recept # -352~**	With No Lockout Hole	**Inlet # -A155**
Mushroom Pawl	**Recept # -375**		
Padlock Pawl	**Recept # -843**		
Padlockable Mushroom Pawl	**Recept # -375-843**		
Screw-Type Locking Pawl	**Recept # -845**		
Metal Pawl (on poly receptacle)	**Recept # -824**		
Closed Lid Configuration	**Recept # -NC**		

Notes: ~ Standard closed lid configuration.

! See pages 243-252 for detailed information on these options

Order Example: ***50 V DR7c + mushroom pawl***
DR7c Poly receptacle 4P = 31-34940-***375***

INSTALLATION ACCESSORIES – SIZE 4

Accessories can be used with either poly or metal plugs and receptacles.

HANDLES

HANDLE w/NPT		Part # Poly	Part # Metal
Poly	1/2"	514P0N05	594P0N05
	3/4"	514P0N07	594P0N07
	1"	514P0N10	594P0N10
Metal	1 1/4"	514P0N12	594P0N12
	1 1/2"	514P0N15	594P0N15

For available cord grips, see page 169. Add -443 for self-ejecting.

POLY HANDLE w/CORD GRIP	Cable Range	Part #
	.680 - .980"	714P0DP4
	.980 - 1.260"	714P0EP4
	1.260 - 1.560"	714P0FP1
METAL HANDLE w/CORD GRIP		
	.750 - .875"	794P0DS1
	.875 - 1.000"	794P0DS3
	1.000 - 1.125"	794P0ES2
	1.250 - 1.375"	794P0FS1
	1.438 - 1.562"	794P0FS2*
	1.562 - 1.688"	794P0FS3*

*May require stripping of cable jacket.

POLY HANDLE		
	.51 - 1.38"	514P0D35
POLY HANDLE w/BUILT IN DRAW GRIPS		
	.51 - 1.38"	514P0D35473
	Makes connector closures easier.	
POLY HANDLE w/CLAMP & BUSHING		
	1.250 - 1.375"	714P0S22
	1.438 - 1.562"	714P0S25
	1.562 - 1.688"	714P0S27
	1.688 - 1.812"	714P0S29

ANGLES

POLY ANGLE					
	30°	514M3		70°	514M7
METAL ANGLE					
	0°	594M0			
	30°	594M3			
	30°	794M3L			
	Oversized 30°	794M3	Mounts on oversize box only. Order with 7T5F0Nxx. See pg 52.		
	70°	594M7			

BOXES

POLY CONDUIT ENTRY w/NPT			Part #	
* 28.1 in³	30°	1/2"	514B3N05	For poly devices only.
	30°	3/4"	514B3N07	
	30°	1"	514B3N10	* Interior volume with receptacle installed.
	30°	1 1/4"	514B3N12	
POLY WALL BOX w/ANGLE				
* 181.24 in³	70°		514C7000	70° poly boxes are not drilled. Contact Customer Service if factory drilled is required. * Interior volume with receptacle installed.
		Ground Bar	51AA089	
POLY ANGLE WITH METAL BOX w/NPT				
* 177.7 in³	70°	1/2"	714C7N05	* Interior volume with receptacle installed.
	70°	3/4"	714C7N07	
	70°	1"	714C7N10	
	70°	1 1/4"	714C7N12	
	70°	1 1/2"	714C7N15	
METAL BOX w/NPT				
	0°	1"	7T4F0N10	
	0°	1 1/4"	7T4F0N12	
	0°	1 1/2"	7T4F0N15	
	0°	2"	7T4F0N20	
POLY ANGLE WITH METAL BOX w/NPT				
* 61.0 in³ Poly Angle * 59.9 in³ Metal Angle	30°	1"	714C3N10	For metal angle, replace "71" prefix with "79". * Interior volume with receptacle installed.
	30°	1 1/4"	714C3N12	
	30°	1 1/2"	714C3N15	
	30°	2"	714C3N20	

NPT on top or bottom (if rotated). For other NPT configurations contact Customer Service.

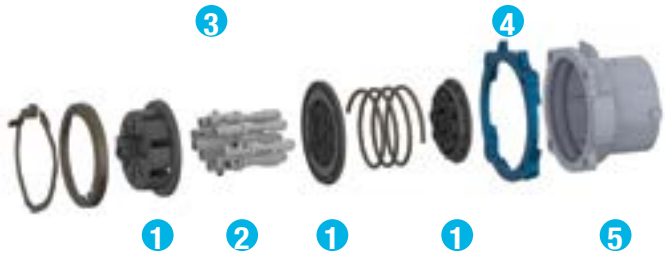
MISCELLANEOUS ACCESSORIES

FINGER DRAWPLATES		
	31-6A346	Set of Two (2) Recommended for cord to cord assembly applications, for easier connector closure.
PROTECTIVE INLET/PLUG CAP		
	31-6A426	For Inlets/Plugs Only.
PADLOCKABLE INLET/PLUG CAP		
	DS6MC	Aluminum – For Inlets/Plugs Only. -A155 suffix required to maintain water ingress protection.
SPRING-LOADED PADLOCKABLE INLET/PLUG CAP		
	31-6A226	For Poly Inlets/Plugs Only. -A155 suffix required to maintain water ingress protection.
	39-6A226	For Metal Inlets/Plugs Only.
EASY RETROFIT ADAPTER PLATES		
	see pg 166	Mount to existing boxes.
RECEPTACLE LOCKING PIN		
	LP-843	Requires Padlockable Pawl option (-843) on receptacle.

MULTIPIN SPARE PARTS Male Configuration

PN7c pictured

DN9c pictured



	DSN12c POLY	DSN24c POLY	DSN37c POLY	DS24c SS	DS37c SS
Plug Interior	61-AA910	61-BA910	61-CA910	61-BA910-SS	61-CA910-SS
Plug Contact (Qty = 13)*	61-AA113	61-BA113	61-CA113	61-BA113	61-CA113
Plug Casing**	61-1A105	61-3A105	61-6A105	39-1A014-SS	39-CA014-SS
Device Gasket	61-1AM26	61-3AM26	31-3AM26	39-1A026-SS	31-3AM26

* If a DSN24c or 37c device was originally purchased before February 2013, contact Customer Service for parts.
** If a DSN24c or 37c device was originally purchased before March 2015, contact Customer Service for casing parts.

		PN7c POLY	PN7c METAL	PN12c POLY	PN12c METAL
1	Plug Interior, Ground Contact & Connection	01-PA910	09-PA910	01-AA910	09-AA910
2	Plug Contact (PN12c Qty = 13)*	09-PA911	09-PA911	01-AA113	01-AA113
3	Device Gasket	61-1AM26	61-1AM26	61-1AM26	61-1AM26
4	Plug Casing	01-NA014	09-NA014	01-NA014	09-NA014
5	Ground Contact	09-PA919	09-PA919	-	-

* If the PN12c device was purchased before March 2013, contact Customer Service for parts.

		DN9c METAL	DN20c METAL
1	Plug Interior	19-1A910	19-6A910
2	Plug Contact (Short/Outside)	19-1A911	19-6A911
2	Plug Contact (Long/Inside)	19-1A711	19-6A711
3	Plug Ground Contact	19-1A919	19-6A919
4	Plug Casing	19-1A014	19-6A014
5	Device Gasket	31-3A026	31-9A026

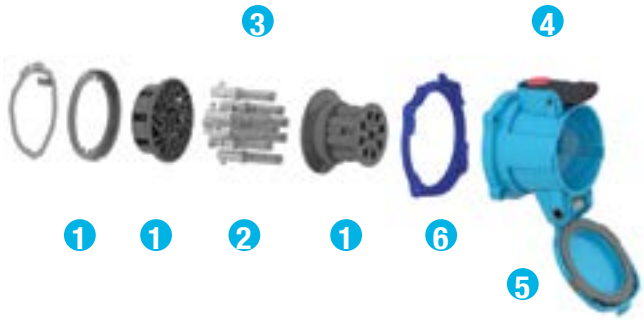
	DS7c/ DR7c POLY	DS7c/ DR7c METAL
Plug Casing	31-6A014	39-6A014
Plug Phase Contact	31-3A911	31-3A911
Plug Pilot Contact	31-3A911-172	31-3A911-172
Plug Interior	31-3A910-263	31-3A910-263
Device Gasket	31-6AM26	31-6AM26
Ground Contact	31-3A919	31-3A919

For replacement parts contact Customer Service at 800-433-7642

MULTIPIN SPARE PARTS Female Configuration

PN7c pictured

DN9c pictured



	DSN12c POLY	DSN24c POLY	DSN37c POLY	DS24c SS	DS37c SS
Receptacle Interior	61-AA920	61-BA920	61-CA920	61-BA920-SS	61-CA920-SS
Receptacle Contact (Qty = 13)*	61-AA213	61-BA213	61-CA213	61-BA213	61-CA213
Receptacle Casing**	61-1A305	61-3A305	61-6A305	39-1A024-SS	39-CA024-SS
Device Gasket	61-1AM26	61-3AM26	31-3AM26	39-1A026-SS	31-3AM26

* If the DSN24c or 37c device was originally purchased before February 2013, contact Customer Service for parts.
** If the DSN24c or 37c device was originally purchased before March 2015, contact Customer Service for casing parts.

		PN7c POLY	PN7c METAL	PN12c POLY	PN12c METAL
1	Receptacle Interior & Retaining Ring	01-PA920	09-PA920	01-AA920	09-AA920
2	Receptacle Contact (PN12c Qty = 13)*	09-PA921	09-PA921	01-AA213	01-AA213
3	Device Gasket	61-1AM26	61-1AM26	61-1AM26	61-1AM26
4	Receptacle Casing	01-NA024	09-NA024	01-NA024	09-NA024
5	Ground Contact	09-PA929	09-PA929	-	-

* If the PN12c device was purchased before March 2013, contact Customer Service for parts.

		DN9c METAL	DN20c METAL
1	Receptacle Interior	19-1A920	19-6A920
2	Receptacle Contact (Short/Outside)	19-1A921	19-6A921
2	Receptacle Contact (Long/Inside)	19-1A721	19-6A721
3	Receptacle Ground Contact	19-1A929	19-6A929
4	Receptacle Casing	19-1A024	19-6A024
5	Lid, Gasket, Roll Pin & Spring	19-1A925	19-6A925
6	Device Gasket	31-3A026	31-9A026

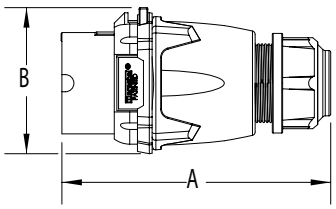
	DS7c/ DR7c POLY	DS7c/ DR7c METAL
Receptacle Casing	31-6A024	39-6A024
Receptacle Phase Contact	31-3A921	31-3A921
Receptacle Pilot Contact	31-3A921-172	31-3A921-172
Receptacle Interior	31-3A920-263	31-3A920-263
Device Gasket	31-6AM26	31-6AM26
Ground Contact	31-3A929	31-3A929

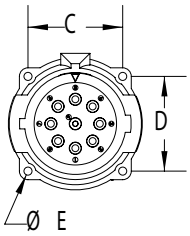
For replacement parts contact Customer Service at 800-433-7642

DN DIMENSIONS Inlet – Provided in inches

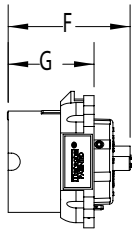
Dimensions are for reference only and may change depending on accessories used. For precise dimensions contact MELTRIC Engineering.

Plug



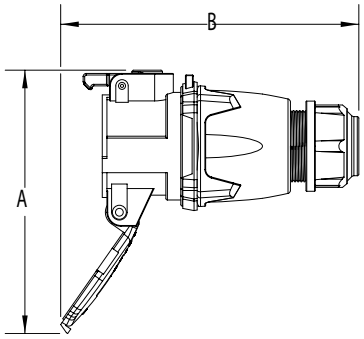


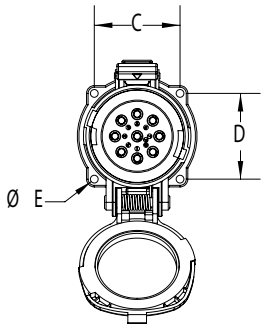
Inlet



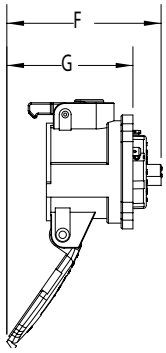
PRODUCT	A	B	C	D	ØE	F	G
DN9c	5.79	3.39	2.19	2.19	0.20	2.60	2.01
DN20c	10.75	4.92	3.20	3.20	0.24	4.48	3.50

Connector



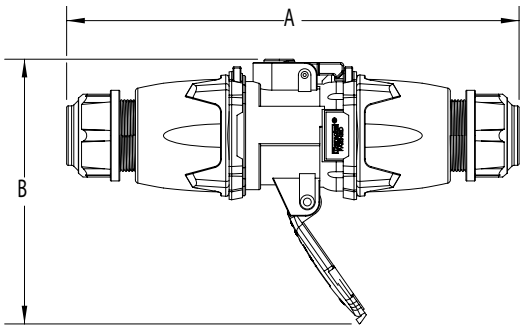


Receptacle



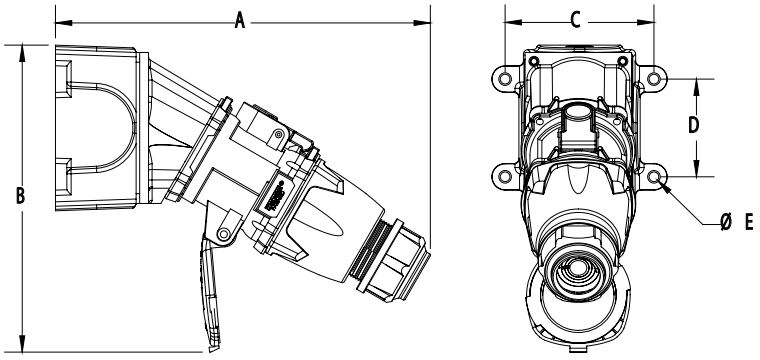
PRODUCT	A	B	C	D	E	F	G
DN9c	3.86	7.55	2.19	2.19	0.20	5.51	4.92
DN20c	5.20	12.12	3.20	3.20	0.24	6.14	7.68

Connector/Plug



PRODUCT	A	B
DN9c	11.40	6.67
DN20c	17.25	7.34

Box/30° Angle/ Receptacle/Plug



PRODUCT	A	B	C	D	øE
DN9c	10.55	8.64	4.19	2.75	0.27
DN20c	16.34	10.75	6.75	4.25	0.31

STANDARD DUTY
Plugs & Receptacles

MELTRIC's Standard Duty plugs and receptacles provide safe, economical, and robust connections for applications up to 400 A. Each device features MELTRIC's spring-loaded, silver-nickel butt-style contacts for consistent and reliable connections. Exclusive safety features ensure operator safety.

DR P. 87

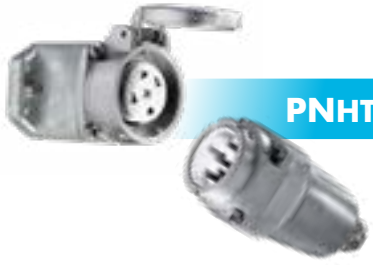
LARGER AMPERAGE RANGE

- 30 A to 400 A, Type 3R
- Poly or metal casings (most sizes)
- Larger conductor capacities

PN P. 105

COMPACT & DURABLE

- 15 A to 20 A
- Up to 600 V



PNHT P. 113

HIGH TEMPERATURE APPLICATIONS

- Temperatures up to 465°F
- Up to 30 A, 480 V, IP44

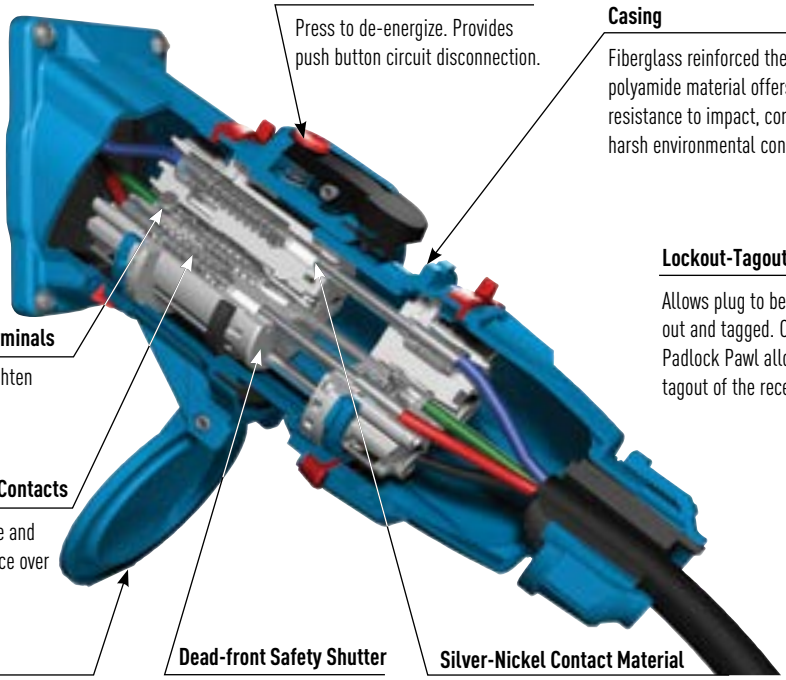
DR Standard Duty Plug and Receptacle

Main Advantages

- High amperage capacity
- Up to 6 auxiliary contacts
- Robust Metal or Poly construction

- Features and Ratings p. 88
- DR30 p. 89
- DR50 p. 91
- DR100 p. 93
- DR150 p. 95
- DR250 p. 97
- DR400 p. 99
- Spare Parts p. 101
- Dimensions p. 103

PRODUCT FEATURES



OFF Button

Press to de-energize. Provides push button circuit disconnection.

Casing

Fiberglass reinforced thermoplastic polyamide material offers great resistance to impact, corrosion and harsh environmental conditions.

Lockout-Tagout Provisions

Allows plug to be easily locked out and tagged. Optional Padlock Pawl allows lockout/ tagout of the receptacle.

Spring Assisted Screw Terminals

Patented design ensures "Tighten and Forget" confidence.

Spring-Loaded Butt-Style Contacts

Ensures optimal contact force and superior electrical performance over thousands of operations.

Lid

Provides 3R water protection for additional protection in harsh environments.

Dead-front Safety Shutter

Ensures safety by preventing user access to live parts.

Silver-Nickel Contact Material

Solid silver-nickel contact surfaces provide superior conductivity, durability and corrosion resistance.

General Ratings

Amperage	30 to 400 A
Voltage	600 VAC
Frequency	50-400 Hz
Short-Circuit (Make & Withstand)	10 kA to 100 kA*
Environmental	Type 3R, Type 4X optional
Temperature	min -40°F/max 140°F

* DR30, 50 & 100 are rated 100 kA; DR150, 250 and 400 are 10 kA to 65 kA. Testing was performed with RK1 current limiting fuses sized at at least 100% of the device's ampacity rating.

Current Interruption Listings

Model	Current Interruption Capabilities
DR30	Not for current interrupting
DR50	For current interrupting up to 250 VAC***
DR100	For current interrupting up to 250 VAC***
DR150	For current interrupting up to 250 VAC***
DR250	Not for current interrupting
DR400	Not for current interrupting

*** Devices rated for current interrupting are not intended for repetitive switching duties.

Listings

Category	UL	CSA	IEC
Plugs and Receptacles	UL 1682	C22.2 No. 182.1	60309-1

CE ratings available upon request./ NOM ratings available upon request.

Operating Instructions

When the plug and receptacle are latched together, the circuit is connected.

Pressing the pawl breaks the connection and opens the circuit. The plug is ejected to its rest position; the contacts are now dead.

Rotating the 'dead' plug 30° counterclockwise closes the safety shutter and frees the plug to be withdrawn from the receptacle.

The plug and the receptacle are separated. The safety shutter prevents access to live parts.

5 To reconnect, insert plug into receptacle, rotate 30° clockwise, and apply insertion force.

DR30 Standard Duty Plugs & Receptacles – 30 A

UL/CSA Ratings

- **Max Amperage & Voltage**
  30 A, 600 VAC
- **Current Interruption Capability**
  Not for current interrupting
  For Switch-Rated devices, see DS & DSN sections.
- **Short Circuit Rating**
  100 kA
  Testing was performed with RK1 current limiting fuses sized at at least 100% of the device's ampacity rating.
- **Environmental Ratings**
  Type 3R (Standard)
  Type 4X (Optional)
- **Temperature Range**
  Min -40°F/Max 140°F
  See pg 266 for temps below -15°F.
- **Wiring Capacity**
  Min 14 AWG Max 8 AWG
  Aux Contacts - Max 14 AWG
  Based on THHN wire sizes.
- **Certifications**
  UL 1682, CSA 182.1

Receptacle (female)

Inlet (male)

! Don't forget to add installation accessories to your order

North American UL/CSA Configurations

Voltage	Polarity	Part # Poly	Part # Poly
120 V	1P+N+G	31-14235-K16	31-18235-K16
120 208 V	3P+N+G	31-14237-K16	31-18237-K16
125 V	1P+N+G	31-14175-K07	31-18175-K07
125 250 V	2P+N+G	31-14176-K07	31-18176-K07
208 V	2P+G	31-14232-K16	31-18232-K16
208 V	3P+G	31-14233-K16	31-18233-K16
250 V	2P+G	31-14172-K07	31-18172-K07
250 V	3P+G	31-14173-K07	31-18173-K07
277 V	1P+N+G	31-14245-K04	31-18245-K04
277 480 V	3P+N+G	31-14247-K04	31-18247-K04
347 600 V	3P+N+G	31-14187-K14	31-18187-K14
480 V	2P+G	31-14242-K04	31-18242-K04
480 V	3P+G	31-14243-K04	31-18243-K04
600 V	2P+G	31-14182-K14	31-18182-K14
600 V	3P+G	31-14183-K14	31-18183-K14

For international configurations and ratings (IEC,CE) visit meltric.com/international-catalog or contact Customer Service at 800-433-7642.

Main Options

Auxiliary/Pilot Contacts

Mushroom Pawl

Padlock Pawl

Closed Lid Configuration
Recommended for cord applications to keep lid tucked in to avoid damage.

Receptacle Options	Suffix #	Inlet Options	Suffix #
With 2 Auxiliary/Pilot Contacts	Recept # -972	With 2 Auxiliary/Pilot Contacts	Inlet # -972
Type 4X & Closed Lid Configuration	Recept # -4X	Type 4X Watertightness	Inlet # -4X
Mushroom Pawl	Recept # -375	With No Lockout Hole	Inlet # -A155
Padlock Pawl	Recept # -843	For Auxiliary Switch	Inlet # -270+
Padlockable Mushroom Pawl	Recept # -375-843		
Screw-Type Locking Pawl	Recept # -845		
Metal Pawl (on poly receptacle)	Recept # -824		
Closed Lid Configuration	Recept # -NC		
With Auxiliary Switch	Recept # -270+		

Note: + Not UL/CSA listed.

! See pages 243-252 for detailed information on these options

Order Example: 480 V DR30 + 2 auxiliary contacts
DR30 Poly inlet 3P+G = 31-18243-K04***-972***

INSTALLATION ACCESSORIES – SIZE 2

Unless indicated otherwise, accessories can be used with either poly or metal plugs and receptacles.

HANDLES

HANDLE w/NPT		Part # Poly	Part # Metal
Poly Metal	1/2"	512P0N05	592P0N05
	3/4"	512P0N07	592P0N07
	1"	512P0N10	592P0N10
	1 1/4"	512P0N12	–

For available cord grips, see page 169.

POLY HANDLE w/CORD GRIP	Cable Range	Part #
	.350 - .520"	712P0BP6
	.520 - .680"	712P0CP5
	.680 - .980"	712P0DP4
	.980 - 1.260"	712P0EP4

METAL HANDLE w/CORD GRIP		
	.438 - .500"	792P0BS3
	.500 - .562"	792P0BS4
	.562 - .625"	792P0CS2
	.625 - .750"	792P0CS4
	.750 - .875"	792P0DS1
	.875 - 1.000"	792P0DS3

POLY HANDLE		
	.20 - .82"	512P0D21

POLY HANDLE w/CLAMP & BUSHING		
	.750 - .875"	712P0S14
	.875 - 1.000"	712P0S16
	1.000 - 1.125"	712P0S18
	1.125 - 1.250"	712P0S20
	1.250 - 1.375"	712P0S22

ANGLES

POLY ANGLE			
	30°	512M3	
	70°	512M7	Panel mounting only.

METAL ANGLE			
	0°	592M0	
	30°	592M3	
	FS/FD Box 30°	792M3FS	* Base measures approximately 4.2" x 2.7". Due to the variation in sizes of FS boxes, please verify that your FS box matches our dimensions, if not call Customer Service for other solutions.

BOXES

POLY CONDUIT ENTRY w/NPT			Part #	
* 7.0 in^3	30°	1/2"	512B3N05	For poly devices only. * Interior volume with receptacle installed.
	30°	3/4"	512B3N07	

POLY WALL BOX w/ANGLE				
* 82.0 in^3	70°		512C7000	70° poly boxes are not drilled. Contact Customer Service if factory drilling is required. * Interior volume with receptacle installed.
		Ground Bar	51AA089	

POLY ANGLE WITH METAL BOX w/NPT				
* 74.6 in^3	70°	1/2"	712C7N05	* Interior volume with receptacle installed.
	70°	3/4"	712C7N07	
	70°	1"	712C7N10	
	70°	1 1/4"	712C7N12	
	70°	1 1/2"	712C7N15	

METAL BOX w/NPT			
	0°	1/2"	7T1F0N05
	0°	3/4"	7T1F0N07
	0°	1"	7T1F0N10
	0°	1 1/4"	7T1F0N12

POLY ANGLE WITH METAL BOX w/NPT				
* 28.7 in^3	30°	1/2"	712C3N05	For metal angle, replace "71" prefix with "79". * Interior volume with receptacle installed
	30°	3/4"	712C3N07	
	30°	1"	712C3N10	
	30°	1 1/4"	712C3N12	

NPT on top or bottom (if rotated). For other NPT configurations, contact Customer Service.

MISCELLANEOUS ACCESSORIES

FINGER DRAWPLATES		
	61-3A346	Set of Two (2) Recommended for cord to cord assembly applications, for easier connector closure.

PROTECTIVE INLET/PLUG CAP		
	31-1A426	For Inlets/Plugs Only.

PADLOCKABLE INLET/PLUG CAP		
	DS1PC	For Inlets/Plugs Only.

SPRING-LOADED PADLOCKABLE INLET/PLUG CAP		
	31-1A226	For Inlets/Plugs Only. -A155 suffix required to maintain water ingress protection.

EASY RETROFIT ADAPTER PLATES		
	see pg 166	Mount to existing boxes.

RECEPTACLE LOCKING PIN		
	LP-843	Requires Padlockable Pawl option (-843) on receptacle.

DR50 Standard Duty Plugs & Receptacles – 50 A

UL/CSA Ratings

- **Max Amperage & Voltage**
  50 A, 600 VAC
- **Current Interruption Capability**
  For current interrupting up to 250 VAC
  For Switch-Rated devices, see DS & DSN sections.
- **Short Circuit Rating**
  100 kA
  Testing was performed with RK1 current limiting fuses sized at at least 100% of the device's ampacity rating.
- **Environmental Ratings**
  Type 3R (Standard)
  Type 4X (Optional)
- **Temperature Range**
  Min -40°F / Max 140°F
  See pg 266 for temps below -15°F.
- **Wiring Capacity**
  Min 14 AWG Max 4 AWG
  Aux Contacts - Max 14 AWG
  Based on THHN wire sizes.
- **Certifications**
  UL 1682, CSA 182.1

Receptacle (female)

Inlet (male)

! Don't forget to add installation accessories to your order

North American UL/CSA Configurations

Voltage	Polarity	Part # Poly	Part # Poly
120 V	1P+N+G	31-34235-K16	31-38235-K16
120 208 V	3P+N+G	31-34237-K16	31-38237-K16
125 V	1P+N+G	31-34175-K07	31-38175-K07
125 250 V	2P+N+G	31-34176-K07	31-38176-K07
208 V	2P+G	31-34232-K16	31-38232-K16
208 V	3P+G	31-34233-K16	31-38233-K16
250 V	2P+G	31-34172-K07	31-38172-K07
250 V	3P+G	31-34173-K07	31-38173-K07
277 V	1P+N+G	31-34245-K04	31-38245-K04
277 480 V	3P+N+G	31-34247-K04	31-38247-K04
347 600 V	3P+N+G	31-34187-K14	31-38187-K14
480 V	2P+G	31-34242-K04	31-38242-K04
480 V	3P+G	31-34243-K04	31-38243-K04
600 V	2P+G	31-34182-K14	31-38182-K14
600 V	3P+G	31-34183-K14	31-38183-K14

For international configurations and ratings (IEC,CE) visit meltric.com/international-catalog or contact Customer Service at 800-433-7642.

Main Options

Auxiliary/Pilot Contacts

Mushroom Pawl

Padlock Pawl

Closed Lid Configuration
Recommended for cord applications to keep lid tucked in to avoid damage.

Receptacle Options	Suffix #	Inlet Options	Suffix #
With 2 Auxiliary/Pilot Contacts	**Recept # -972**	With 2 Auxiliary/Pilot Contacts	**Inlet # -972**
With 3 Auxiliary/Pilot Contacts	**Recept # -973**	With 3 Auxiliary/Pilot Contacts	**Inlet # -973**
With 4 Auxiliary/Pilot Contacts	**Recept # -974**	With 4 Auxiliary/Pilot Contacts	**Inlet # -974**
Type 4X & Closed Lid Configuration	**Recept # -4X**	Type 4X Watertightness	**Inlet # -4X**
Mushroom Pawl	**Recept # -375**	With No Lockout Hole	**Inlet # -A155**
Padlock Pawl	**Recept # -843**	For Auxiliary Switch	**Inlet # -270+**
Padlockable Mushroom Pawl	**Recept # -375-843**		
Screw-Type Locking Pawl	**Recept # -845**		
Metal Pawl (on poly receptacle)	**Recept # -824**		
Closed Lid Configuration	**Recept # -NC**		
With Auxiliary Switch	**Recept # -270+**		

Notes: + Not UL/CSA listed.

! See pages 243-252 for detailed information on these options

Order Example: 480 V DR50 + 2 auxiliary contacts
DR50 Poly inlet 3P+G = 31-38243-K04***-972***

INSTALLATION ACCESSORIES – SIZE 3

Unless indicated otherwise, accessories can be used with either poly or metal plugs and receptacles.

HANDLES

HANDLE w/NPT		Part # Poly	Part # Metal
Poly / Metal	1/2"	513P0N05	593P0N05
	3/4"	513P0N07	593P0N07
	1"	513P0N10	593P0N10
	1 1/4"	513P0N12	593P0N12

For available cord grips, see page 169.

POLY HANDLE w/CORD GRIP	Cable Range	Part #
	.520 - .680"	713P0CP5
	.680 - .980"	713P0DP4
	.980 - 1.260"	713P0EP4

METAL HANDLE w/CORD GRIP		
	.625 - .750"	793P0CS4
	.750 - .875"	793P0DS1
	.875 - 1.000"	793P0DS3
	1.000 - 1.125"	793P0ES2

POLY HANDLE		
	.39 - 1.18"	513P0D30

POLY HANDLE w/BUILT IN DRAW GRIPS		
	.39 - 1.18"	513P0D30473

Makes connector closures easier.

POLY HANDLE w/CLAMP & BUSHING		
	.750 - .875"	713P0S14
	.875 - 1.000"	713P0S16
	1.000 - 1.125"	713P0S18
	1.125 - 1.250"	713P0S20
	1.250 - 1.375"	713P0S22

ANGLES

POLY ANGLE					
	30°	513M3		70°	513M7 Panel mounting only.

METAL ANGLE			
	0°	593M0	
	30°	593M3	
	FS/FD Box 30°	793M3FS	* Base measures approximately 4.2" x 2.7". Due to the variation in sizes of FS boxes, please verify that your FS box matches our dimensions, if not call Customer Service for other solutions.
	70°	593M7	

BOXES

POLY CONDUIT ENTRY w/NPT				
* 13.5 in³	30°	3/4"	513B3N07	For poly devices only. * Interior volume with receptacle installed.
	30°	1"	513B3N10	

POLY WALL BOX w/ANGLE				
* 179.41 in³	70°		513C7000	70° poly boxes are not drilled. Contact Customer Service if factory drilling is required. * Interior volume with receptacle installed.
		Ground Bar	51AA089	

POLY ANGLE WITH METAL BOX w/NPT				
* 177.7 in³	70°	1/2"	713C7N05	* Interior volume with receptacle installed.
	70°	3/4"	713C7N07	
	70°	1"	713C7N10	
	70°	1 1/4"	713C7N12	
	70°	1 1/2"	713C7N15	

METAL BOX w/NPT			
	0°	1/2"	7T1F0N05
	0°	3/4"	7T1F0N07
	0°	1"	7T1F0N10
	0°	1 1/4"	7T1F0N12

POLY ANGLE WITH METAL BOX w/NPT				
* 29.6 in³	30°	1/2"	713C3N05	For metal angle, replace "71" prefix with "79". * Interior volume with receptacle installed.
	30°	3/4"	713C3N07	
	30°	1"	713C3N10	
	30°	1 1/4"	713C3N12	

NPT on top or bottom (if rotated). For other NPT configurations, contact Customer Service.

MISCELLANEOUS ACCESSORIES

FINGER DRAWPLATES		
	61-6A346	Set of Two (2) Recommended for cord to cord assembly applications, for easier connector closure.

PROTECTIVE INLET/PLUG CAP		
	31-3A426	For Inlets/Plugs Only.

PADLOCKABLE INLET/PLUG CAP		
	DS3PC	Poly – For Inlets/Plugs Only.

SPRING-LOADED PADLOCKABLE INLET/PLUG CAP		
	31-3A226	For Inlets/Plugs Only. -A155 suffix required to maintain water ingress protection.

EASY RETROFIT ADAPTER PLATES		
	see pg 166	Mount to existing boxes.

RECEPTACLE LOCKING PIN		
	LP-843	Requires Padlockable Pawl option (-843) on receptacle.

DR100 Standard Duty Plugs & Receptacles – 100 A

UL/CSA Ratings

- **Max Amperage & Voltage**
  100 A, 600 VAC
- **Current Interruption Capability**
  For current interrupting up to 250 VAC
  For Switch-Rated devices, see DS & DSN sections.
- **Short Circuit Rating**
  100 kA
  Testing was performed with RK1 current limiting fuses sized at at least 100% of the device's ampacity rating.
- **Environmental Ratings**
  Type 4X/IP69
- **Temperature Range**
  Min -40°F / Max 140°F
  See pg 266 for temps below -15°F.
- **Wiring Capacity**
  Min 10 AWG Max 2 AWG
  Aux Contacts - Max 14 AWG
  Based on THHN wire sizes.
- **Certifications**
  UL 1682, CSA 182.1

Receptacle (female)

Inlet (male)

! Don't forget to add installation accessories to your order

North American UL/CSA Configurations

Voltage	Polarity	Part # Poly	Part # Metal	Part # Poly	Part # Metal
120 V	1P+N+G	31-64235-K16	39-64235-K16	31-68235-K16	39-68235-K16
120 208 V	3P+N+G	31-64237-K16	39-64237-K16	31-68237-K16	39-68237-K16
125 V	1P+N+G	31-64175-K07	39-64175-K07	31-68175-K07	39-68175-K07
125 250 V	2P+N+G	31-64176-K07	39-64176-K07	31-68176-K07	39-68176-K07
208 V	2P+G	31-64232-K16	39-64232-K16	31-68232-K16	39-68232-K16
208 V	3P+G	31-64233-K16	39-64233-K16	31-68233-K16	39-68233-K16
250 V	2P+G	31-64172-K07	39-64172-K07	31-68172-K07	39-68172-K07
250 V	3P+G	31-64173-K07	39-64173-K07	31-68173-K07	39-68173-K07
277 V	1P+N+G	31-64245-K04	39-64245-K04	31-68245-K04	39-68245-K04
277 480 V	3P+N+G	31-64247-K04	39-64247-K04	31-68247-K04	39-68247-K04
347 600 V	3P+N+G	31-64187-K14	39-64187-K14	31-68187-K14	39-68187-K14
480 V	2P+G	31-64242-K04	39-64242-K04	31-68242-K04	39-68242-K04
480 V	3P+G	31-64243-K04	39-64243-K04	31-68243-K04	39-68243-K04
600 V	2P+G	31-64182-K14	39-64182-K14	31-68182-K14	39-68182-K14
600 V	3P+G	31-64183-K14	39-64183-K14	31-68183-K14	39-68183-K14

For international configurations and ratings (IEC,CE) visit meltric.com/international-catalog or contact Customer Service at 800-433-7642.

Main Options

Auxiliary/Pilot Contacts

Mushroom Pawl

Padlock Pawl

Closed Lid Configuration
Recommended for cord applications to keep lid tucked in to avoid damage.

Receptacle Options	Suffix #	Inlet Options	Suffix #
With 2 Auxiliary/Pilot Contacts	**Recept # -972**	With 2 Auxiliary/Pilot Contacts	**Inlet # -972**
With 3 Auxiliary/Pilot Contacts	**Recept # -263**	With 3 Auxiliary/Pilot Contacts	**Inlet # -263**
With 4 Auxiliary/Pilot Contacts	**Recept # -264**	With 4 Auxiliary/Pilot Contacts	**Inlet # -264**
Mushroom Pawl	**Recept # -375**	With No Lockout Hole	**Inlet # -A155**
Padlock Pawl	**Recept # -843**	For Auxiliary Switch	**Inlet # -270+**
Padlockable Mushroom Pawl	**Recept # -375-843**		
Screw-Type Locking Pawl	**Recept # -845**		
Metal Pawl (on poly receptacle)	**Recept # -824**		
Closed Lid Configuration	**Recept # -NC**		
With Auxiliary Switch	**Recept # -270+**		

Note: + Not UL/CSA listed.

! See pages 243-252 for detailed information on these options

Order Example: 480 V DR100 + 2 auxiliary contacts
DR100 Poly inlet 3P+G = 31-68243-K04-***972***

INSTALLATION ACCESSORIES – SIZE 4

Unless indicated otherwise, accessories can be used with either poly or metal plugs and receptacles.

HANDLES

HANDLE w/NPT		Part # Poly	Part # Metal
Poly	1/2"	514P0N05	594P0N05
	3/4"	514P0N07	594P0N07
Metal	1"	514P0N10	594P0N10
	1 1/4"	514P0N12	594P0N12
	1 1/2"	514P0N15	594P0N15

For available cord grips, see page 169.

POLY HANDLE w/CORD GRIP	Cable Range	Part #
	.680 - .980"	714P0DP4
	.980 - 1.260"	714P0EP4
	1.260 - 1.560"	714P0FP1
METAL HANDLE w/CORD GRIP		
	.750 - .875"	794P0DS1
	.875 - 1.000"	794P0DS3
	1.000 - 1.125"	794P0ES2
	1.250 - 1.375"	794P0FS1
	1.438 - 1.562"	794P0FS2*
	1.562 - 1.688"	794P0FS3*
	*May require stripping of cable jacket.	
POLY HANDLE		
	.51 - 1.38"	514P0D35
POLY HANDLE w/BUILT IN DRAW GRIPS		
	.51 - 1.38"	514P0D35473
	Makes connector closures easier.	
POLY HANDLE w/CLAMP & BUSHING		
	1.250 - 1.375"	714P0S22
	1.438 - 1.562"	714P0S25
	1.562 - 1.688"	714P0S27
	1.688 - 1.812"	714P0S29

ANGLES

POLY ANGLE					
	30°	514M3		70°	514M7 Panel mounting only.
METAL ANGLE					
	0°	594M0			
	30°	594M3			
	30°	794M3L			
	Oversized 30°	794M3	Mounts on oversize box only. Order with 7T5F0Nxx. See pg 96.		
	70°	594M7			

BOXES

POLY CONDUIT ENTRY w/NPT			Part #	
* 27.7 in³	30°	1/2"	514B3N05	For poly devices only.
	30°	3/4"	514B3N07	
	30°	1"	514B3N10	* Interior volume with receptacle installed.
	30°	1 1/4"	514B3N12	
POLY WALL BOX w/ANGLE				
* 181.24 in³	70°		514C7000	70° poly boxes are not drilled. Contact Customer Service if factory drilling is required.
		Ground Bar	51AA089	* Interior volume with receptacle installed.
POLY ANGLE WITH METAL BOX w/NPT				
* 177.7 in³	70°	1/2"	714C7N05	* Interior volume with receptacle installed.
	70°	3/4"	714C7N07	
	70°	1"	714C7N10	
	70°	1 1/4"	714C7N12	
	70°	1 1/2"	714C7N15	
METAL BOX w/NPT				
	0°	1"	7T4F0N10	
	0°	1 1/4"	7T4F0N12	
	0°	1 1/2"	7T4F0N15	
	0°	2"	7T4F0N20	
POLY ANGLE WITH METAL BOX w/NPT				
* 61.0 in³ Poly Angle * 59.4 in³ Metal Angle	30°	1"	714C3N10	For metal angle, replace "71" prefix with "79".
	30°	1 1/4"	714C3N12	
	30°	1 1/2"	714C3N15	* Interior volume with receptacle installed.
	30°	2"	714C3N20	

NPT on top or bottom (if rotated). For other NPT configurations, contact Customer Service.

MISCELLANEOUS ACCESSORIES

FINGER DRAWPLATES		
	31-6A346	Set of Two (2) Recommended for cord to cord assembly applications, for easier connector closure.
PROTECTIVE INLET/PLUG CAP		
	31-6A426	For Inlets/Plugs Only.
PADLOCKABLE INLET/PLUG CAP		
	DS6PC	Poly – For Inlets/Plugs Only.
	DS6MC	Aluminum – For Inlets/Plugs Only. -A155 suffix required to maintain water ingress protection.
SPRING-LOADED PADLOCKABLE INLET/PLUG CAP		
	31-6A226	For Poly Inlets/Plugs Only. -A155 suffix required to maintain water ingress protection.
	39-6A226	For Metal Inlets/Plugs Only.
RECEPTACLE LOCKING PIN		
	LP-843	Requires Padlockable Pawl option (-843) on receptacle.

DR / PN

DR150 Standard Duty Plugs & Receptacles – 150 A

UL/CSA Ratings

- **Max Amperage & Voltage**
  150 A, 600 VAC
- **Current Interruption Capability**
  For current interrupting up to 250 VAC
  For Switch-Rated devices, see DS & DSN sections.
- **Short Circuit Rating**
  65 kA
  Testing was performed with RK1 current limiting fuses sized at at least 100% of the device's ampacity rating.
- **Environmental Ratings**
  Type 4X/IP69
- **Temperature Range**
  Min -40°F / Max 140°F
  See pg 266 for temps below -15°F.
- **Wiring Capacity**
  Min 4 AWG Max 2/0 AWG
  Aux Contacts - Max 14 AWG
  Based on THHN wire sizes
- **Certifications**
  UL 1682, CSA 182.1

Receptacle (female) **Inlet (male)**

If you have an existing removable and/or permanently attached drawbar, contact Customer Service.

Don't forget to add installation accessories to your order

North American UL/CSA Configurations

Voltage	Polarity	Part # Poly	Part # Metal	Part # Poly	Part # Metal
120 V	1P+N+G	31-94235-K16	39-94235-K16	31-98235-K16	39-98235-K16
120 208 V	3P+N+G	31-94237-K16	39-94237-K16	31-98237-K16	39-98237-K16
125 V	1P+N+G	31-94175-K07	39-94175-K07	31-98175-K07	39-98175-K07
125 250 V	2P+N+G	31-94176-K07	39-94176-K07	31-98176-K07	39-98176-K07
208 V	2P+G	31-94232-K16	39-94232-K16	31-98232-K16	39-98232-K16
208 V	3P+G	31-94233-K16	39-94233-K16	31-98233-K16	39-98233-K16
250 V	2P+G	31-94172-K07	39-94172-K07	31-98172-K07	39-98172-K07
250 V	3P+G	31-94173-K07	39-94173-K07	31-98173-K07	39-98173-K07
277 V	1P+N+G	31-94245-K04	39-94245-K04	31-98245-K04	39-98245-K04
277 480 V	3P+N+G	31-94247-K04	39-94247-K04	31-98247-K04	39-98247-K04
347 600 V	3P+N+G	31-94187-K14	39-94187-K14	31-98187-K14	39-98187-K14
480 V	2P+G	31-94242-K04	39-94242-K04	31-98242-K04	39-98242-K04
480 V	3P+G	31-94243-K04	39-94243-K04	31-98243-K04	39-98243-K04
600 V	2P+G	31-94182-K14	39-94182-K14	31-98182-K14	39-98182-K14
600 V	3P+G	31-94183-K14	39-94183-K14	31-98183-K14	39-98183-K14

For international configurations and ratings (IEC,CE) visit meltric.com/international-catalog or contact Customer Service at 800-433-7642.

Main Options

Auxiliary/Pilot Contacts

Mushroom Pawl

Padlock Pawl

Closed Lid Configuration
Recommended for cord applications to keep lid tucked in to avoid damage.

Receptacle Options	Suffix #	Inlet Options	Suffix #
With 2 Auxiliary/Pilot Contacts	Recept # -262	With 2 Auxiliary/Pilot Contacts	Inlet # -262
With 4 Auxiliary/Pilot Contacts	Recept # -264	With 4 Auxiliary/Pilot Contacts	Inlet # -264
With 6 Auxiliary/Pilot Contacts	Recept # -976	With 6 Auxiliary/Pilot Contacts	Inlet # -976
Mushroom Pawl	Recept # -375	With No Lockout Hole	Inlet # -A155
Padlock Pawl	Recept # -843	For Auxiliary Switch	Inlet # -270+
Padlockable Mushroom Pawl	Recept # -375-843		
Screw-Type Locking Pawl	Recept # -845		
Metal Pawl (on poly receptacle)	Recept # -824		
Closed Lid Configuration	Recept # -NC		
With Auxiliary Switch	Recept # -270+		

Notes: + Not UL/CSA listed.

See pages 243-252 for detailed information on these options

Order Example: 480 V DR150 + 2 auxiliary contacts
DR150 Poly inlet 3P+G = 31-98243-K04***-972***

INSTALLATION ACCESSORIES – SIZE 5

Unless indicated otherwise, accessories can be used with either poly or metal plugs and receptacles.

HANDLES

HANDLE w/NPT		Part # Poly	Part # Metal
Poly Metal	3/4"	515P0N07	595P0N07
	1"	515P0N10	595P0N10
	1 1/4"	515P0N12	595P0N12
	1 1/2"	515P0N15	595P0N15
	2"	515P0N20	595P0N20

For available cord grips, see page 169.

POLY HANDLE w/CORD GRIP	Cable Range	Part #
	.980 - 1.260"	715P0EP4
	1.260 - 1.560"	715P0FP1
	1.520 - 1.860"	715P0GP2

METAL HANDLE w/CORD GRIP	Cable Range	Part #
	1.250 - 1.375"	795P0FS1
	1.438 - 1.562"	795P0FS2*
	1.562 - 1.688"	795P0FS3*
	1.688 - 1.812"	795P0GS1

*May require stripping of cable jacket.

METAL OVERSIZED HANDLE w/NPT		
	3/4"	795P0N07
	1"	795P0N10
	1 1/4"	795P0N12
	1 1/2"	795P0N15
	2"	795P0N20
	2 1/2"	795P0N25

For available cord grips, see page 169.

SANTOPRENE HANDLE		
IP66/IP67	.70 - 1.000"	555P0D25
	.984 - 1.377"	555P0D35
	1.378 - 1.771"	555P0D45

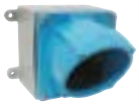
POLY HANDLE w/CLAMP & BUSHING		
	1.250 - 1.375"	715P0S22
	1.438 - 1.562"	715P0S25
	1.562 - 1.688"	715P0S27
	1.688 - 1.812"	715P0S29

ANGLES

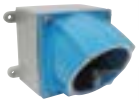
POLY ANGLE			
	30°	515M3	

METAL ANGLE			
	0°	595M0	
	30°	595M3	
	Oversized 30°	795M3	Mounts on oversize metal box only. Order with 7T6F-0N25XL. See pg 98.
	70°	595M7	

BOXES

POLY ANGLE WITH METAL BOX w/NPT			
 * 108.7 in^3	30°	1 1/4"	715C3N12
	30°	1 1/2"	715C3N15
	30°	2"	715C3N20
	30°	2 1/2"	715C3N25

* Interior volume with receptacle installed.

METAL ANGLE WITH METAL BOX w/NPT			
 * 111.8 in^3	30°	1 1/4"	795C3N12
	30°	1 1/2"	795C3N15
	30°	2"	795C3N20
	30°	2 1/2"	795C3N25

* Interior volume with receptacle installed.

METAL BOX w/NPT			
	0°	1 1/4"	7T5F0N12
	0°	1 1/2"	7T5F0N15
	0°	2"	7T5F0N20
	0°	2 1/2"	7T5F0N25

NPT on top or bottom (if rotated). For other NPT configurations, contact Customer Service.

MISCELLANEOUS ACCESSORIES

PROTECTIVE INLET/PLUG CAP		
	31-9A426	For Inlets/Plugs Only. Covers lockout hole for watertight seal on inlet. Consult Customer Service for availability.

PADLOCKABLE INLET/PLUG CAP		
	DS9MC	Aluminum – For Inlets/Plugs Only. -A155 suffix required to maintain water ingress protection.

CORD GRIP with MESH		
	see pg 169	

EASY RETROFIT ADAPTER PLATES		
	see pg 166	Mount to existing boxes.

RECEPTACLE LOCKING PIN		
	LP-843	Requires Padlockable Pawl option (-843) on receptacle.

DR250 Standard Duty Plugs & Receptacles – 250 A

UL/CSA Ratings

- **Max Amperage & Voltage**
  250 A, 600 VAC
- **Current Interruption Capability**
  Not for current interrupting
  For Switch-Rated devices, see DS & DSN sections.
- **Short Circuit Rating**
  10 kA
  Testing was performed with RK1 current limiting fuses sized at at least 100% of the device's ampacity rating.
- **Environmental Ratings**
  Type 4X/IP69/IP69K
- **Temperature Range**
  Min -40°F / Max 140°F
  See pg 266 for temps below -15°F.
- **Wiring Capacity**
  Min 4 AWG Max 4/0 AWG
  Aux Contacts - Max 14 AWG
  Based on THHN wire sizes
- **Certifications**
  UL 1682, CSA 182.1

Receptacle (female)

Easy Closing Mechanism

If you have an existing removable and/or permanently attached drawbar, contact Customer Service.

Don't forget to add installation accessories to your order

Inlet (male)

Tabs for latching to closing mechanism

North American UL/CSA Configurations

Voltage	Polarity	Part # Metal	Part # Metal
120 V	1P+N+G	39-24235-K16	39-28235-K16
120 208 V	3P+N+G	39-24237-K16	39-28237-K16
125 V	1P+N+G	39-24035-K07	39-28035-K07
125 250 V	2P+N+G	39-24036-K07	39-28036-K07
208 V	2P+G	39-24232-K16	39-28232-K16
208 V	3P+G	39-24233-K16	39-28233-K16
250 V	2P+G	39-24032-K07	39-28032-K07
250 V	3P+G	39-24033-K07	39-28033-K07
277 V	1P+N+G	39-24245-K04	39-28245-K04
277 480 V	3P+N+G	39-24247-K04	39-28247-K04
347 600 V	3P+N+G	39-24027-K14	39-28027-K14
480 V	2P+G	39-24242-K04	39-28242-K04
480 V	3P+G	39-24243-K04	39-28243-K04
600 V	2P+G	39-24022-K14	39-28022-K14
600 V	3P+G	39-24023-K14	39-28023-K14

For international configurations and ratings (IEC,CE) visit meltric.com/international-catalog or contact Customer Service at 800-433-7642.

Main Options

Auxiliary/Pilot Contacts

Mushroom Pawl

Padlock Pawl

Closed Lid Configuration
Recommended for cord applications to keep lid tucked in to avoid damage.

See pages 243-252 for detailed information on these options

Receptacle Options	Suffix #	Inlet Options	Suffix #
With 2 Auxiliary/Pilot Contacts	Recept # -972*	With 2 Auxiliary/Pilot Contacts	Inlet # -972*
With 4 Auxiliary/Pilot Contacts	Recept # -174+	With 4 Auxiliary/Pilot Contacts	Inlet # -174+
With 6 Auxiliary/Pilot Contacts	Recept # -976+	With 6 Auxiliary/Pilot Contacts	Inlet # -976+
Mushroom Pawl	Recept # -375	For Auxiliary Switch	Inlet # -270++
Padlock Pawl	Recept # -843	With No Lockout Hole	Inlet # -A155
Padlockable Mushroom Pawl	Recept # -375-843		
Screw-Type Locking Pawl	Recept # -845		
Closed Lid Configuration	Recept # -NC		
With Auxiliary Switch	Recept # -270++		

Notes: * Customers needing to maintain compatibility with old style -172 auxiliary contacts should use a -172 suffix.
+ This option not available with N contact.
++ Not UL/CSA listed.

Order Example: 480 V DR250 + 2 auxiliary contacts
DR250 Metal inlet 3P+G = 39-28243-K04***-972***

INSTALLATION ACCESSORIES – SIZE 6

HANDLES

HANDLE w/NPT		Part # Poly	Part # Metal
Poly	1	516P0N10	596P0N10
	1 1/4"	516P0N12	596P0N12
	1 1/2"	516P0N15	596P0N15
Metal	2"	516P0N20	596P0N20
	2 1/2"	516P0N25	596P0N25
	3"	-	596P0N30

For available cord grips, see page 169.

POLY HANDLE w/CORD GRIP	Cable Range	Part #
	1.520 - 1.860"	716P0GP2
	1.850 - 2.190"	716P0GP3*

*May require stripping of cable jacket.

METAL HANDLE w/CORD GRIP		
	1.688 - 1.812"	796P0GS1
	1.812 - 1.938"	796P0GS2*
	1.938 - 2.062"	796P0JS1
	2.062 - 2.188"	796P0JS2
	2.188 - 2.312"	796P0JS3
	2.312 - 2.438"	796P0JS4*
	2.437 - 2.625"	796P0KS1
	2.625 - 2.812"	796P0KS2

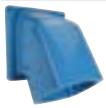
*May require stripping of cable jacket.

METAL OVERSIZED HANDLE w/NPT	
	1 1/4" 796P0N12
	1 1/2" 796P0N15
	2" 796P0N20
	2 1/2" 796P0N25
	3" 796P0N30

For available cord grips, see page 169.

SANTOPRENE HANDLE		
IP66/IP67	.984 - 1.378"	556P0D35
	1.378 - 1.772"	556P0D45
	1.772 - 1.929"	556P0D49

ANGLES

METAL ANGLE			
	0°	596M0	
	Oversized 45°	796M4	Mounts on oversize metal box only.
	60°	596M6	
	Extended 60°	597M6	

BOXES

METAL ANGLE WITH METAL BOX w/NPT			Part #	
* 248.4 in^3	60°	1 1/2"	796C6N15	* Interior volume with receptacle installed.
	60°	2"	796C6N20	
	60°	2 1/2"	796C6N25	
METAL BOX w/NPT				
	0°	1 1/2"	7T6F0N15	
	0°	2"	7T6F0N20	
	0°	2 1/2"	7T6F0N25	
METAL OVERSIZED BOX w/NPT				
	0°	2"	7T6F0N20XL	
	0°	2 1/2"	7T6F0N25XL	
	0°	3"	7T6F0N30XL	

NPT on top or bottom (if rotated). For other NPT configurations, contact Customer Service.

MISCELLANEOUS ACCESSORIES

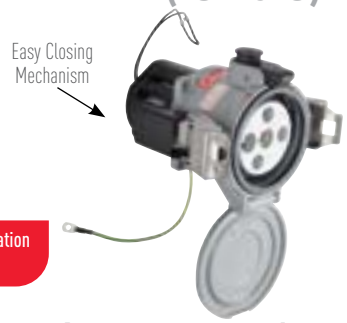
PROTECTIVE INLET/PLUG CAP		
	39-2A426	Covers lockout hole for watertight seal on inlet. Consult Customer Service for availability. For Inlets/Plugs Only.
PADLOCKABLE INLET/PLUG CAP		
	DS2MC	Aluminum – For Inlets/Plugs Only. -A155 suffix required to maintain water ingress protection.
CORD GRIP WITH MESH		
	see pg 169	
RECEPTACLE LOCKING PIN		
	LP-843	Requires Padlockable Pawl option (-843) on receptacle.

DR400 Standard Duty Plugs & Receptacles – 400 A

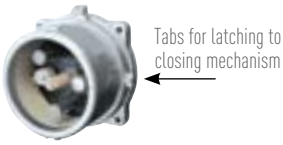
UL/CSA Ratings

- **Max Amperage & Voltage**
  400 A Max at 480 VAC
  350 A Max at 600 VAC
- **Current Interruption Capability**
  Not for current interrupting
- **Short Circuit Rating**
  18 kA
  A withstand test was performed with RK1 current limiting fuses sized at at least 100% of the device's ampacity rating.
- **Environmental Ratings**
  Type 4X/IP69/IP69K
- **Temperature Range**
  Min -40°F / Max 140°F
  See pg 266 for temps below -15°F.
- **Wiring Capacity**
  Min 2 AWG Max 500 MCM*
  Aux Contacts – 14 AWG (prewired)
  * Wire size to 500 MCM can be accommodated through use of Cable Reducing Adapters. See Accessory Spotlight.
- **Certifications**
  UL 1682
  CSA 182.1

Receptacle (female)



Inlet (male)



! Don't forget to add installation accessories to your order

North American UL/CSA Configurations

Voltage	Polarity	Part # Metal	Part # Metal
208 V	3P+G+2PIL	**39-44163-172**	**39-48163-172**
250 V	3P+G+2PIL	**39-44073-172**	**39-48073-172**
480 V	3P+G+2PIL	**39-44043-172**	**39-48043-172**
600 V	3P+G+2PIL	**39-44143-172***	**39-48143-172***

* 350 A only for 600 V models
Other voltage configurations are available - contact Customer Service at 800-433-7642

For international configurations and ratings (IEC,CE) visit meltric.com/international-catalog or contact Customer Service at 800-433-7642.

Key Feature

Standard Locking Pawl

DR400 receptacles are provided with a screw-type locking pawl that prevents accidental disconnections under load.

Receptacle Options	Suffix #	Inlet Options	Suffix #
Closed Lid Configuration	**Recept # -NC**	With No Lockout Hole	**Inlet # -A155**

Order Example: DR400 with Cable Reducing Adapters

To accommodate 500 MCM cable, cable reducing adapters and an extended angle with spacer accessory is required.

Typical order: 480 V 3P+G+2PIL

Receptacle: 39-44043-**172** +

Angle: 5T7M6-68 +

Cable Reducers: PT500R350-3 (3 are required)

Inlet: 39-48043-**172** +

Handle: 5T7P0N25 +

Cable Reducers: PT500R350-3 (3 are required)

! See pages 243-252 for detailed information on these options

INSTALLATION ACCESSORIES – SIZE 7

HANDLES

LARGE HANDLE w/NPT	Part #
2"	5T7P0N20
2 1/2"	5T7P0N25
3"	5T7P0N30

LARGE HANDLE w/CORD GRIP w/MESH w/Cable Range	
2.062 - 2.188"	5T7P0JT1
2.188 - 2.312"	5T7P0JT2
2.312 - 2.438"	5T7P0JT3*
2.437 - 2.625"	5T7P0KT1
2.625 - 2.812"	5T7P0KT2

*May require stripping of cable jacket.

STRAIGHT HANDLE W/BUSHING w/Cable Range	
1.57 - 1.97"	5K6P0D50
2.01 - 2.36"	5K6P0D60
2.40 - 2.76"	5K6P0D70
2.79 - 3.15"	5K6P0D80

ANGLES

METAL ANGLE		
0°	5T7M0	
Extended 60°	5T7M6	
Extended 60° with 68 mm spacer.	5T7M6-68	Provides space for Cable Reducing Adapters.

BOXES

METAL BOX w/NPT		Part #	
0°	2"	7T7F0N20	*Requires Angle Adapter.
0°	2 1/2"	7T7F0N25	
0°	3"	7T7F0N30	
0°	3 1/2"	7T7F0N35	
0°	4"	7T7F0N40	

MISCELLANEOUS ACCESSORIES

PROTECTIVE INLET/PLUG CAP		
	39-2A426	For Inlet/Plugs Only.

CABLE REDUCING ADAPTERS		
	PT535FX350-3	Reducer for 500 MCM Fine Stranded or Flexible Wire.
	PT500R350-3	Reducer for 500 MCM Coarse Stranded or Building Wire.
	PT400R350-3	Reducer for 400 MCM Wire.

INLET COMPATIBILITY KIT		
	39-4A396	

SPACER		
	5T7M0-68	68mm (2.68") spacer is used (included) with metal 60° angle.
	5T7M0-115	115mm can be used when mounting to a panel - though the metal straight adapter is preferred.

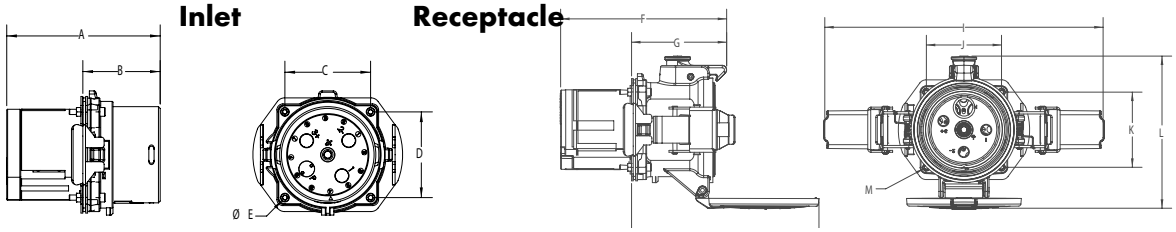
PADLOCKABLE INLET/PLUG CAP		
	DS2MC	Aluminum – For Inlets/Plugs Only. -A155 suffix required to maintain water ingress protection.

RECEPTACLE LOCKING PIN		
	LP-843	Requires Padlockable Pawl option (-843) on receptacle.

DIMENSIONS – Provided in inches

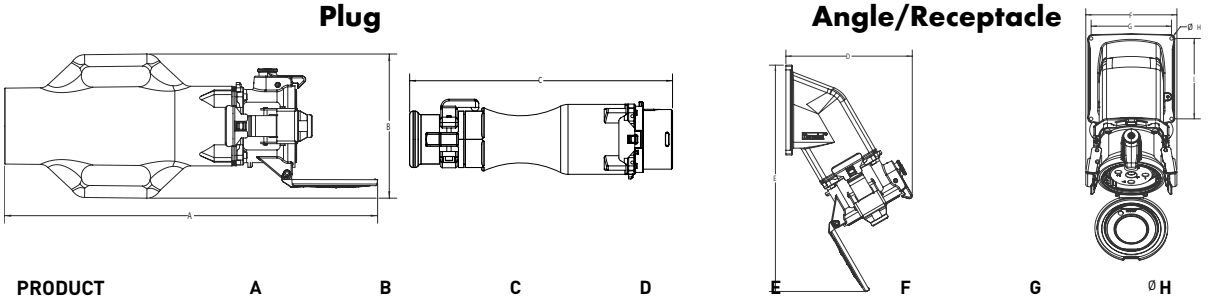
Dimensions are for reference only and may change depending on accessories used. For precise dimensions contact MELTRIC Engineering.

Inlet / Receptacle



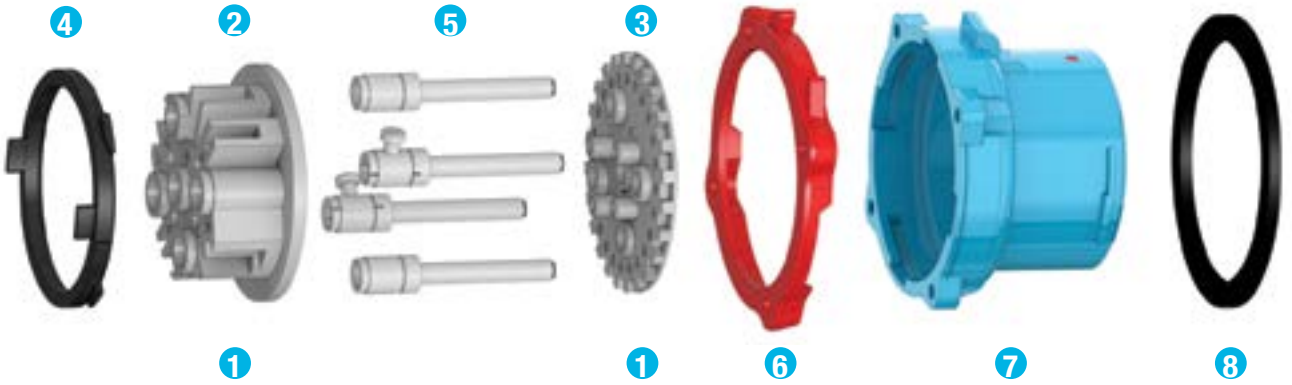
PRODUCT	A	B	C	D	E	F	G	H	I	J	K	L	øM
DR400	6.61	3.48	3.86	3.86	0.26	8.51	5.03	9.62	14.29	3.86	3.86	7.85	0.26

Plug / Angle/Receptacle



PRODUCT	A	B	C	D	E	F	G	ØH	I
DR400	24.62	9.50	18.50	10.22	18.29	7.36	6.50	0.28	6.50

DR SPARE PARTS Male Configuration

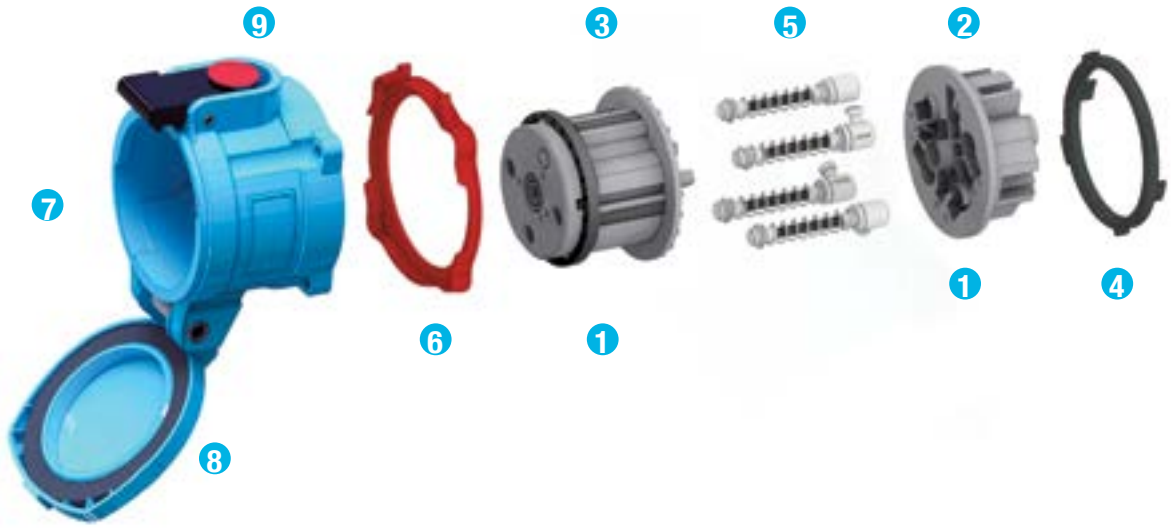


		DR30 POLY	DR50 POLY	DR100 POLY	DR100 METAL	DR150 POLY	DR150 METAL	DR250 METAL	DR400 METAL
1	Plug Interior***	31-1A010*	31-3A010*	31-6A010*	31-6A010*	61-9A010*	69-9A010*	39-2A010*	-
1	Plug Interior w/Ground Contacts***	-	-	-	39-6A110*	-	69-9A110*	39-2A110*	-
1	Plug Interior with 2 Pilots+	31-1A310-972*	31-3A310-972*	31-6A310-972*	31-6A310-972*	61-9A310-262*	61-9A310-262*	39-2A310-172*	-
2	Interior Bottom***	31-1A010-B	31-3A010-B	31-6A010-B	31-6A010-B	61-9A551	69-9A551	39-2A010-B	-
3	Interior Top***	31-1A010-T*	31-3A010-T*	31-6A010-T*	31-6A010-T*	61-9A010-T*	69-9A010-T*	39-2A010-T*	-
4	Polyester Locking Ring	31-1A583	31-3A583	31-6A583	-	31-9A583	-	-	-
4	Metal Locking Ring	-	-	-	39-6A583	-	39-9A583	39-2A583	-
5	Plug Phase Contact (If no aux. contacts)	31-1A011-380	31-3A011-380	31-6A011	31-6A011	61-9A011	61-9A011	39-2A011	-
5	Plug Phase Contact (If plug has aux. contacts)	31-1A011	31-3A011-380	31-6A011	31-6A011	61-9A011	61-9A011	39-2A011	-
5	Plug Ground Contact	31-1A019	31-3A019	31-6A019	39-6A019	61-9A019	69-9A019	39-2A019	-
6	Color-Coded Voltage Gasket — 125 V	31-1AC26	31-3AC26	31-6AC26	31-6AC26	31-9AC26	31-9AC26	39-2AC26	-
	208 V	31-1AB26	31-3AB26	31-6AB26	31-6AB26	31-9AB26	31-9AB26	39-2AB26	-
	250 V	31-1AC26	31-3AC26	31-6AC26	31-6AC26	31-9AC26	31-9AC26	39-2AC26	-
	480 V	31-1AR26	31-3AR26	31-6AR26	31-6AR26	31-9AR26	31-9AR26	39-2AR26	-
	600 V	31-1AN26	31-3AN26	31-6AN26	31-6AN26	31-9AN26	31-9AN26	39-2AN26	-
7	Plug Polyester Casing w/Plug Gasket	31-1A014**	31-3A014**	31-6A014**	-	61-9A014**	-	-	-
7	Plug Metal Casing w/Plug Gasket	-	-	-	39-6A014**	-	39-9A014**	39-2A014**	39-4A014**
8	Type 4X Gasket	31-1A056	31-3A056	31-6A066	39-6A066	-	31-9A066	39-2A056	-

* Voltage and phasing positions must be specified (5th, 6th & 7th digit of Part #) to duplicate your shutter and alignment notches.
** For appropriate labeling on a device, please specify voltage, phasing, and product type.
*** For interiors with pilot contacts, contact Customer Service for part numbers.
\+ For interiors with more than 2 pilot contacts, contact Customer Service for part numbers.

For replacement parts contact Customer Service at 800-433-7642

DR SPARE PARTS Female Configuration



			DR30 POLY	DR50 POLY	DR100 POLY	DR100 METAL	DR150 POLY	DR150 METAL	DR250 METAL	DR400 METAL
1	Receptacle Interior***		31-1A020*	31-3A020*	31-6A020*	31-6A020*	61-9A020*	69-9A020*	39-2A020-A06*	-
1	Recept Interior w/Ground Contacts***		-	-	-	39-6A220*	-	69-9A220*	39-2A220-A06*	-
1	Receptacle Interior with 2 Pilots+		31-1A320-972*	31-3A320-972*	31-6A320-972*	31-6A320-972*	61-9A320-262*	61-9A320-262*	39-2A320-172-A06*	-
2	Interior Bottom***		31-1A020-B	31-3A020-B	31-6A020-B	31-6A020-B	61-9A552	69-9A552	39-2A020-B-A06	-
3	Interior Top***		31-1A020-T*	31-3A020-T*	31-6A020-T*	31-6A020-T*	61-9A020-T*	69-9A020-T*	39-2A020-T*	-
4	Polyester Locking Ring		31-1A583	31-3A583	31-6A583	-	31-9A583	-	-	-
4	Metal Locking Ring		-	-	-	39-6A583	-	39-9A583	39-2A583	-
5	Recept Phase Contact (If no aux. contacts)		31-1A021-380	31-3A021-380	31-6A021	31-6A021	61-9A021	61-9A021	39-2A021-A06	-
5	Recept Phase Contact (If plug has aux. contacts)		31-1A021	31-3A021-380	31-6A021	31-6A021	61-9A021	61-9A021	39-2A021-A06	-
5	Recept Ground Contact		31-1A029	31-3A029	31-6A029	39-6A029	61-9A029	69-9A029	39-2A029-A06	-
6	Color-Coded Voltage Gasket	125 V	31-1AC26	31-3AC26	31-6AC26	31-6AC26	31-9AC26	31-9AC26	39-2AC26	-
		208 V	31-1AB26	31-3AB26	31-6AB26	31-6AB26	31-9AB26	31-9AB26	39-2AB26	-
		250 V	31-1AC26	31-3AC26	31-6AC26	31-6AC26	31-9AC26	31-9AC26	39-2AC26	-
		480 V	31-1AR26	31-3AR26	31-6AR26	31-6AR26	31-9AR26	31-9AR26	39-2AR26	-
		600 V	31-1AN26	31-3AN26	31-6AN26	31-6AN26	31-9AN26	31-9AN26	39-2AN26	-
7	Receptacle Polyester Casing w/Lid		31-1A024**	31-3A024**	31-6A024**	-	61-9A024**	-	-	-
7	Receptacle Metal Casing with Lid		-	-	-	39-6A024**	-	39-9A024A**	39-2A024**	39-4A024** ++
8	Lid Replacement Kit Polyester		31-1A125	31-3A125	31-6A425	-	61-9A125	-	-	-
8	Lid Replacement Kit Metal		-	-	-	39-6A925	-	39-9A925A	39-2A925	-
9	Pawl Replacement Kit Polyester		31-1A824	31-3A824	31-6A824	-	61-9A824	-	-	-
9	Pawl Replacement Kit Metal		39-1A824	39-3A824	39-6A824	39-6A824	69-9A924	39-9A824A	39-2A824	-

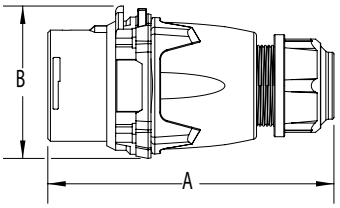
* Voltage and phasing positions must be specified (5th, 6th & 7th digit of Part #) to duplicate your shutter and alignment notches.
** For appropriate labeling on a device, please specify voltage, phasing, and product type.
*** For interiors with 2 pilot contacts, contact Customer Service for part numbers.
+ For interiors with more than 2 pilot contacts, contact Customer Service for part numbers.
++ For DR 400 Drawbar Accessory contact Customer Service.

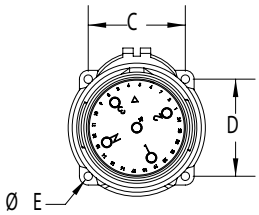
For replacement parts contact Customer Service at 800-433-7642

DR DIMENSIONS – Provided in inches

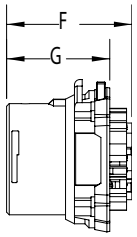
Dimensions are for reference only and may change depending on accessories used. For precise dimensions contact MELTRIC Engineering.

Plug



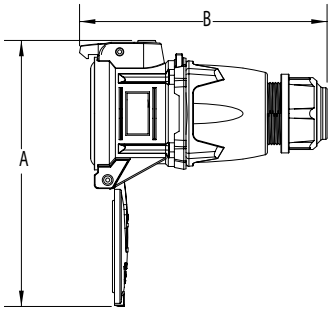


Inlet

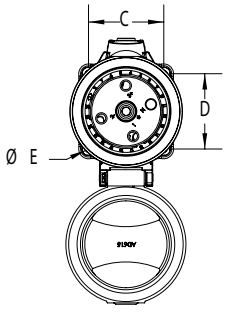


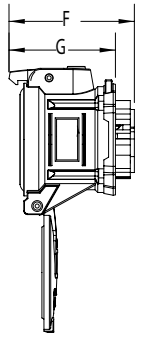
PRODUCT	A	B	C	D	øE	F	G
DR30	5.72	2.79	1.89	1.89	0.20	2.28	1.86
DR50	6.15	3.23	2.17	2.17	0.20	2.93	2.07
DR100/DR7c	6.70	3.77	2.59	2.59	0.24	3.42	2.38
DR150	8.33	4.59	3.20	3.20	0.24	4.14	3.04
DR250	10.30	5.67	3.86	3.86	0.26	4.66	3.20

Connector

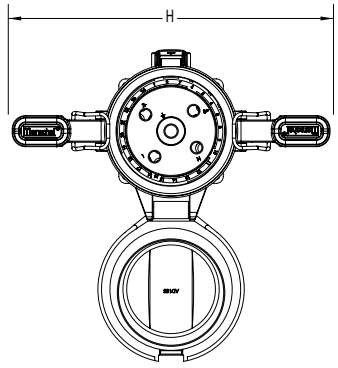


Receptacle



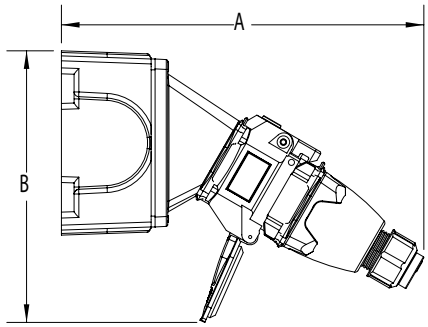


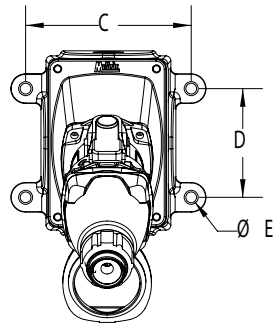
Extended Draw bars



PRODUCT	A	B	C	D	øE	F	G	H
DR30	6.32	6.38	1.89	1.89	0.20	3.30	2.60	N/A
DR50	7.16	6.93	2.17	2.17	0.20	3.73	2.87	N/A
DR100/DR7c	8.46	7.90	2.59	2.59	0.22	4.53	3.37	N/A
DR150	11.04	10.02	3.20	3.20	0.23	5.71	4.74	11.25
DR250	12.70	10.87	3.86	3.86	0.26	6.21	4.75	12.07

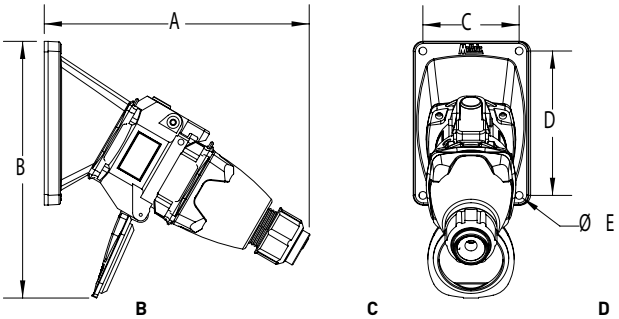
Box/30° Angle/ Receptacle/Plug





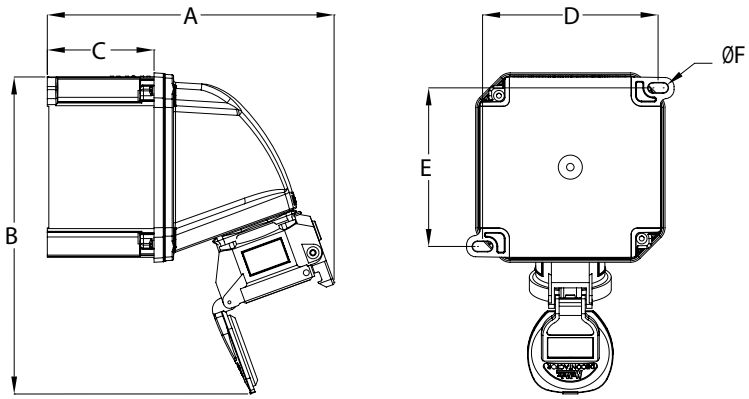
PRODUCT	A	B	C	D	øE
DR30	9.84	7.29	4.19	2.75	0.27
DR50	10.30	8.39	4.19	2.75	0.27
DR100/DR7c	11.87	10.85	5.00	3.81	0.33
DR150	16.06	11.77	6.75	4.25	0.31
DR250	15.76	12.70	8.13	6.38	0.31

30° Angle/Receptacle/Plug



PRODUCT	A	B	C	D	øE
DR30	7.60	7.87	2.50	3.75	0.22
DR50	8.19	8.44	2.50	3.75	0.22
DR100/DR7c	9.17	10.45	3.43	4.83	0.26
DR150	14.09	12.05	4.83	4.83	0.28
DR250	11.61	16.20	6.50	6.50	0.25

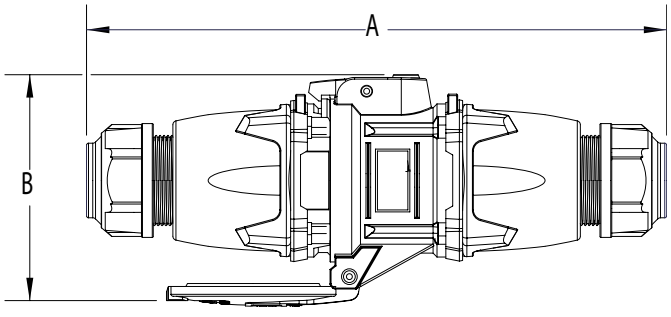
70° Wall Box/ Receptacle



PRODUCT	A	B	C	D	E	øF
DR30	7.51	8.30	2.80	4.60	4.15	0.26
DR50	7.93	9.51	2.80	4.60	4.15	0.26
DR100/DR7c*	9.07	12.70	2.80	6.17	5.73	0.26

* Box has 4 mounting feet

Plug/Connector



PRODUCT	A	B
DR30	10.20	4.61
DR50	10.91	5.71
DR100/DR7c	12.17	6.57
DR150	19.53	8.03
DR250	23.15	8.00

PN Standard Duty Plug and Receptacle

Main Advantages

- Compact yet durable device
- Spring-loaded silver-nickel devices
- Spring-assisted terminals are unaffected by vibrations and thermal cycling

- Features and Ratings p. 106
- PN20 p. 107
- Spare Parts p. 109
- Dimensions p. 111

PRODUCT FEATURES

Casing

Fiberglass reinforced thermoplastic polyester material offers great resistance to impact, corrosion and harsh environmental conditions.

Spring-Loaded Butt-Style Contacts

Ensures optimal contact force and superior electrical performance over thousands of operations.

Spring Assisted Screw Terminals

Patented design ensures "Tighten and Forget" confidence. (not shown)

Lid

Provides additional protection from harsh environments.

Silver-Nickel Contact Material

Solid silver-nickel contact surfaces provide superior conductivity, durability and corrosion resistance.

General Ratings

Amperage	20 A
Voltage	600 VAC Max
Frequency	50-400 Hz
Environmental	IP66/IP67
Temperature	min -40°F/max 140°F (465° PNHT pg. 113)

Current Interruption Listings

Model	Current Interruption Capabilities
PN20	For current interrupting

Highlighted Feature

PN Contact

PN devices feature silver-nickel, spring-loaded, butt-style contacts for superior durability and electrical performance.

Listings

Category	UL	CSA	IEC
Plugs and Receptacles	UL 1682*	C22.2 No. 182.1*	60309-1

* PN20 A devices are UL and CSA listed for current interrupting. PNHT devices are not UL/CSA listed./ NOM ratings available upon request.

Operating Instructions

To break the circuit and remove the plug, press the pawl, apply inward force and rotate the plug clockwise.

The plug can be safely withdrawn from the receptacle. The plug contacts remain shrouded until after the circuit is broken.

To reconnect, align the red dots on the plug and receptacle bodies, insert plug into the receptacle, apply insertion force and rotate the plug 20° counterclockwise.

PN20 Compact Plugs & Receptacles – 20 A or 15 A (600V)

UL/CSA Ratings

- **Max Amperage & Voltage**
  20 A, 600 VAC
- **Current Interruption Capability**
  20 A Current Interrupting (up to 480 VAC)
  15 A Current Interrupting (600 VAC)
- **Environmental Ratings**
  Type 3R, Type 4X
- **Temperature Range**
  Min -40°F / Max 140°F
  See pg 266 for temps below -15°F and above 140° (PNHT).
- **Wiring Capacity**
  Min 14 AWG Max 8 AWG
- **Certifications**
  UL 1682, CSA 182.01

IEC/CE Ratings

- **Environmental Ratings**
  IP66/IP67*, IP54/IP55**

* IP66/IP67 provides advanced watertightness for washdown duty applications.

** IP55 provides rainproof watertightness with ease of connection convenience.

- **Applicable Standards**
  CE

Notes:
- 600V devices are rated for current interrupting up to 15 A only.

Receptacle
female

IP55 receptacle comes without a pawl.

Inlet
male

The same male inlet is used for IP66/IP67 or IP55 watertight ratings.

Don't forget to add installation accessories to your order

North American UL/CSA Configurations

Voltage	Polarity	Part # IP66/IP67 Poly	Part # IP66/IP67 Metal	Part # IP55 Poly	Part # IP55 Metal	Part # Poly	Part # Metal
120 V	1P+N+G	01-N4165	09-N4165	01-S4165	09-S4165	01-N8165	09-N8165
120 208 V	3P+N+G	01-N4167	09-N4167	01-S4167	09-S4167	01-N8167	09-N8167
125 V	1P+N+G	01-N4075	09-N4075	01-S4075	09-S4075	01-N8075	09-N8075
125 250 V	2P+N+G	01-N4076	09-N4076	01-S4076	09-S4076	01-N8076	09-N8076
208 V	2P+G	01-N4162	09-N4162	01-S4162	09-S4162	01-N8162	09-N8162
208 V	3P+G	01-N4163	09-N4163	01-S4163	09-S4163	01-N8163	09-N8163
250 V	2P+G	01-N4072	09-N4072	01-S4072	09-S4072	01-N8072	09-N8072
250 V	3P+G	01-N4073	09-N4073	01-S4073	09-S4073	01-N8073	09-N8073
277 V	1P+N+G	01-N4045	09-N4045	01-S4045	09-S4045	01-N8045	09-N8045
277 480 V	3P+N+G	01-N4047	09-N4047	01-S4047	09-S4047	01-N8047	09-N8047
347 600 V	3P+N+G	01-N4147	09-N4147	01-S4147	09-S4147	01-N8147	09-N8147
480 V	2P+G	01-N4042	09-N4042	01-S4042	09-S4042	01-N8042	09-N8042
480 V	3P+G	01-N4043	09-N4043	01-S4043	09-S4043	01-N8043	09-N8043
600 V	2P+G	01-N4142	09-N4142	01-S4142	09-S4142	01-N8142	09-N8142
600 V	3P+G	01-N4143	09-N4143	01-S4143	09-S4143	01-N8143	09-N8143

For international configurations and ratings (IEC,CE) visit meltric.com/international-catalog or contact Customer Service at 800-433-7642.

Main Options

Reverse Interiors

Flush Mount
(replaces female casing pg 55.)

Locking Pawl

Receptacle Options	Suffix #	Inlet Options	Suffix #
Reverse Interiors	**Recept # -001**	Reverse Interiors	**Inlet # -001**
With Flush Mount (poly only)	**Recept # -142+**		
Locking Pawl	**Recept # -824-300**		
Normally Closed lid	**Recept # -NC**		

+ IP55 rating with Flush Mount casing

See pages 243-252 for detailed information on these options

Order Example: 480 V PN20 IP66/IP67 + reverse interiors
PN20 Receptacle 3P+G = 01-N4043***-001***

INSTALLATION ACCESSORIES – SIZE 1

Unless indicated otherwise, accessories can be used with either poly or metal plugs and receptacles.

HANDLES

HANDLE w/NPT		Part # Poly	Part # Metal
Poly / Metal	1/2"	511P0N05	591P0N05
	3/4"	511P0N07	591P0N07
	1"	511P0N10	591P0N10

For available cord grips, see page 169.

POLY HANDLE w/CORD GRIP	Cable Range	Part #
	.350 - .520"	711P0BP6
	.520 - .680"	711P0CP5
	.680 - .980"	711P0DP4

METAL HANDLE w/CORD GRIP		
	.438 - .500"	791P0BS3
	.500 - .562"	791P0BS4
	.562 - .625"	791P0CS1
	.625 - .750"	791P0CS4
	.750 - .875"	791P0DS1
	.875 - 1.000"	791P0DS3

POLY 90° HANDLE w/NPT		
	1/2"	751P9N05
	3/4"	751P9N07
	1"	751P9N10

POLY HANDLE		
	.35 - .70"	511P0D18

POLY ANGLED HANDLE		
	.35 - .70"	511P6D18

ANGLES

POLY ANGLE			
	MB Box 30°	511M3	
	70°	511M7	Panel mounting only.

METAL ANGLE			
	0°	591M0	
	FS/FD Box 30°	791M3FS	*Base measures approximately 4.2" x 2.7". Due to the variation in sizes of FS boxes, please verify that your FS box matches our dimensions, if not call Customer Service for other solutions.
	45°	591M4	

BOXES

POLY CONDUIT ENTRY w/NPT			Part #
* 7.0 in³	30°	1/2"	511B3N05
	30°	3/4"	511B3N07

POLY WALL BOX w/NPT			
* 3.4 in³	0°	1/2"	511B0N05
	0°	3/4"	511B0N07

METAL WALL BOX w/NPT			
* 3.8 in³	0°	1/2"	591B0N05
	0°	3/4"	591B0N07

POLY WALL BOX w/ANGLE				
* 82.0 in³	70°		511C7000	70° poly boxes are not drilled. Contact Customer Service if factory drilling is required.
		Ground Bar	51AA089	

METAL BOX w/NPT			
	0°	1/2"	7T1F0N05
	0°	3/4"	7T1F0N07
	0°	1"	7T1F0N10
	0°	1 1/4"	7T1F0N12

POLY ANGLE WITH METAL BOX w/NPT			
* 30.0 in³	30°	1/2"	711C3N05
	30°	3/4"	711C3N07
	30°	1"	711C3N10
	30°	1 1/4"	711C3N12

METAL ANGLE WITH METAL BOX w/NPT			
* 27.0 in³	45°	1/2"	791C4N05
	45°	3/4"	791C4N07
	45°	1"	791C4N10
	45°	1 1/4"	791C4N12

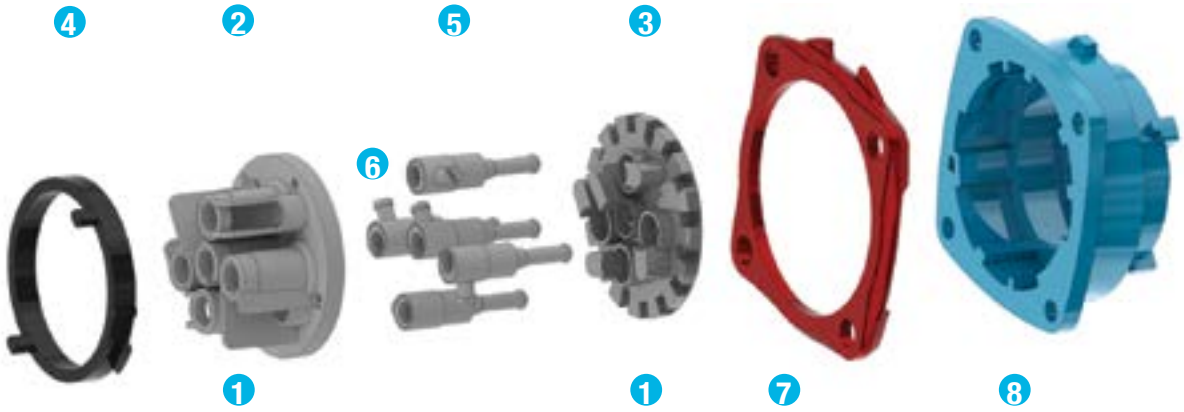
NPT on top or bottom (if rotated). For other NPT configurations, contact Customer Service.

MISCELLANEOUS ACCESSORIES

PROTECTIVE INLET/PLUG CAP		
	01-NA426	For Inlets/Plugs Only.

FLUSH MOUNT	
	01-2A142

PN SPARE PARTS Male Configuration

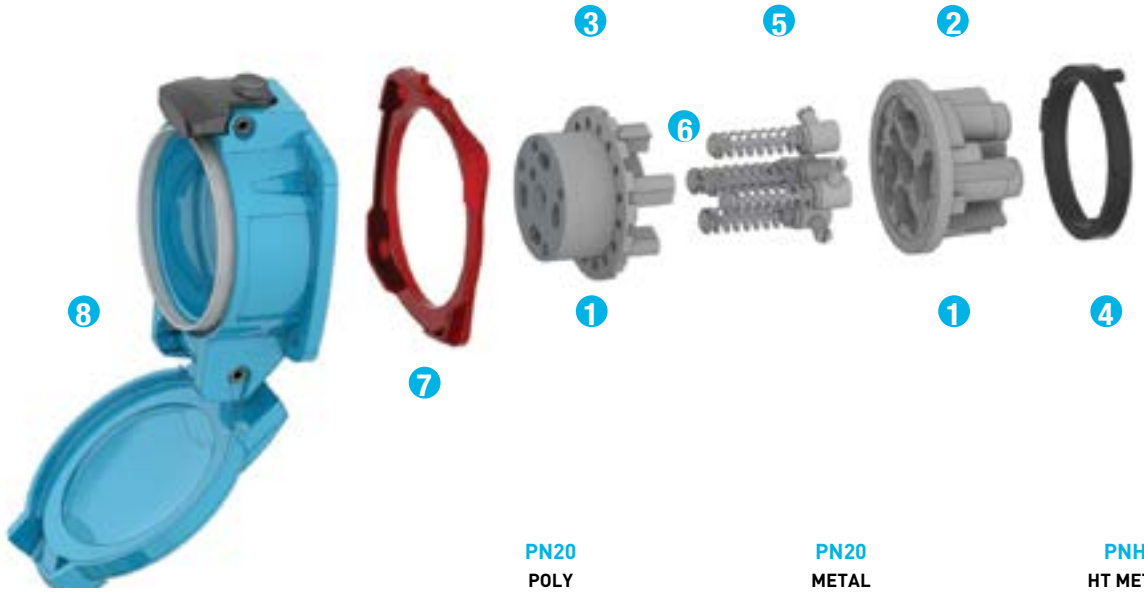


			PN20 POLY	PN20 METAL	PNHT HT METAL
1	Plug Interior**		01-2A010*	01-2A010*	01-2A010-185*
2	Interior Bottom**		01-2A010-B	01-2A010-B	01-2A010-185-B
3	Interior Top**		01-2A010-T*	01-2A010-T*	01-2A010-185-T*
4	Locking Ring		01-NA583	09-2A583	09-2A583-185
5	Plug Contact		01-2A011	01-2A011	01-2A011-185
6	Ground Contact		01-2A019	01-2A019	01-2A019-185
7	Color-Coded Voltage Gasket	125 V	61-1AC26	61-1AC26	-
		208 V	61-1AB26	61-1AB26	-
		250 V	61-1AC26	61-1AC26	-
		480 V	61-1AR26	61-1AR26	-
8	Plug Casing		01-NA014**	09-NA014**	09-2A014-185**

* Voltage and phasing positions must be specified (5th, 6th & 7th digit of Part #) to duplicate your shutter and alignment notches.

** For appropriate labeling on a device, please specify voltage, phasing, and product type.

PN SPARE PARTS Female Configuration



			PN20 POLY	PN20 METAL	PNHT HT METAL
1	Receptacle Interior		01-2A020*	01-2A020*	01-2A020-185*
2	Interior Bottom		01-2A020-B	01-2A020-B	01-2A020-185-B
3	Interior Top		01-2A020-T*	01-2A020-T*	01-2A020-185-T*
4	Locking Ring		01-NA583	09-2A583	09-2A583-185
5	Receptacle Contact		01-2A021	01-2A021	01-2A021-185
6	Ground Contact		01-2A029	01-2A029	01-2A029-185
7	Color-Coded Voltage Gasket	125 V	61-1AC26	61-1AC26	-
		208 V	61-1AB26	61-1AB26	-
		250 V	61-1AC26	61-1AC26	-
		480 V	61-1AR26	61-1AR26	-
8	Receptacle Casing w/Lid IP54/IP55		01-SA024**	09-SA024**	09-2A024-185**
8	Receptacle Casing w/Lid IP66/IP67		01-NA024**	09-NA024**	-

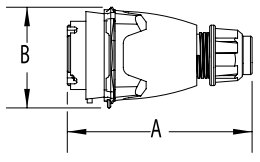
* Voltage and phasing positions must be specified (5th, 6th & 7th digit of Part #) to duplicate your shutter and alignment notches.

** For appropriate labeling on a device, please specify voltage, phasing, and product type.

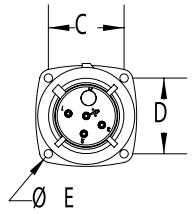
PN DIMENSIONS – Provided in inches

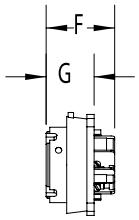
Dimensions are for reference only and may change depending on accessories used. For precise dimensions contact MELTRIC Engineering.

Plug

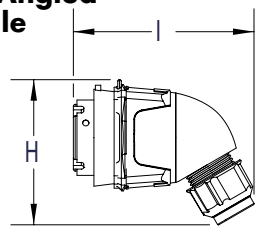


Inlet



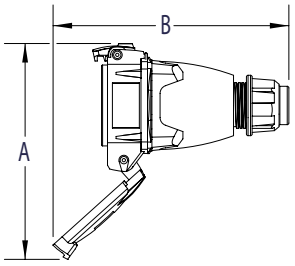


Plug Angled Handle

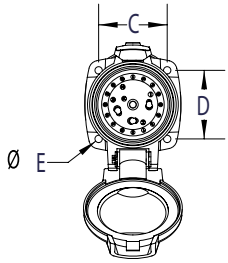


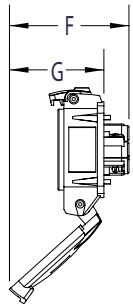
PRODUCT	A	B	C	D	E	F	G	H	I
PN	4.33	2.40	1.65	1.65	0.18	1.50	1.14	3.90	3.17

Connector

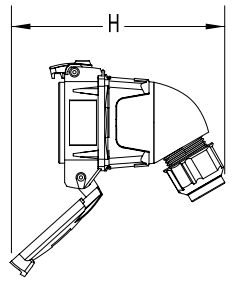


Receptacle



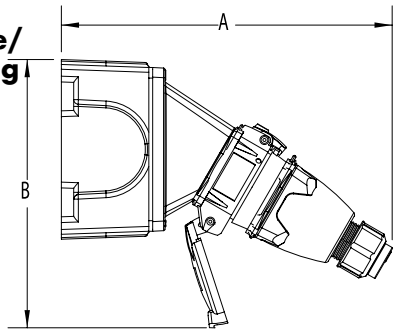


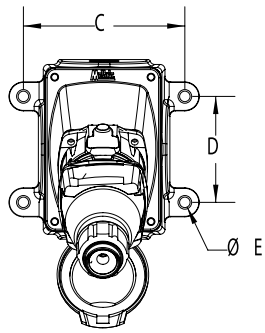
Connector Angled Handle

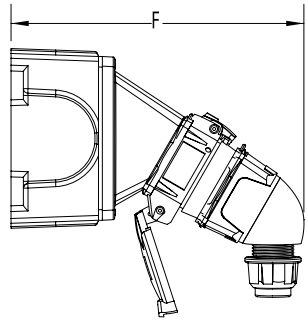


PRODUCT	A	B	C	D	E	F	G	H
PN	5.51	5.69	1.65	1.65	0.18	1.93	1.38	4.17

Box/30° Angle/ Receptacle/Plug

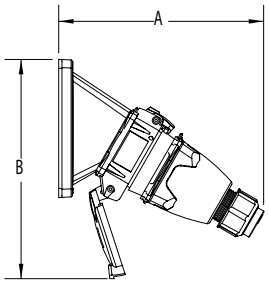


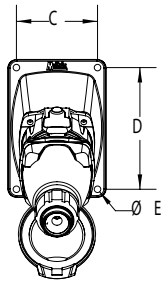


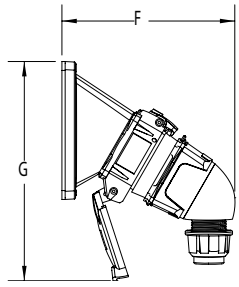


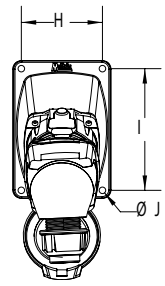
PRODUCT	A	B	C	D	E	F
PN	8.59	6.96	4.19	2.75	0.27	7.60

30° Angle/Receptacle/Plug



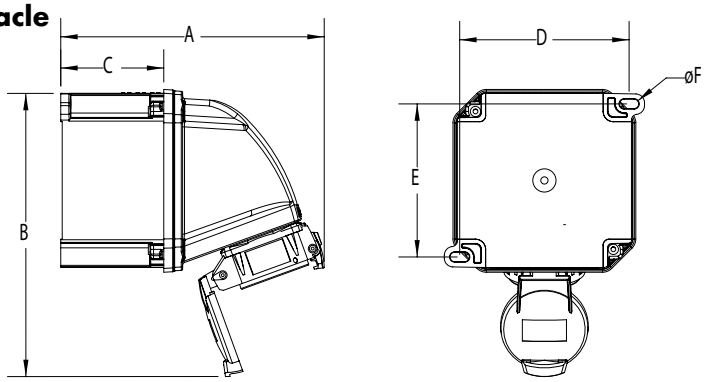






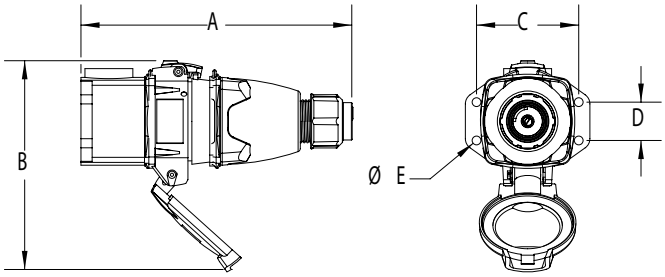
PRODUCT	A	B	C	D	ØE	F	G	H	I	ØJ
PN	6.32	6.76	2.50	3.75	0.20	5.33	6.76	2.50	3.75	0.20

70° Wall Box/ Receptacle

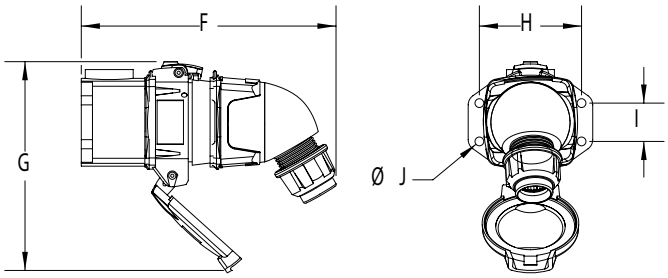


PRODUCT	A	B	C	D	E	ØF
PN	7.15	7.68	2.80	4.60	4.15	0.26

Straight Wall Box/Receptacle/Plug

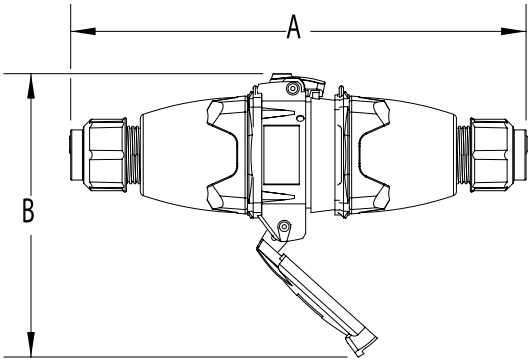


Straight Wall Box/Receptacle/ Plug/Angled Handle



PRODUCT	A	B	C	D	ØE	F	G	H	I	ØJ
PN	6.68	5.15	2.52	0.95	0.22	6.28	5.15	2.52	0.95	0.22

Connector/Plug



PRODUCT	A	B
PN	8.37	5.21

PNHT High Temperature Plug and Receptacle

Main Advantages

- Compact yet durable device
- Spring-loaded silver-nickel devices
- Spring-assisted terminals resist vibrations and thermal cycling

- Features and Ratings p. 114
- PNHT p. 115

PRODUCT FEATURES

General Ratings

Amperage	30 A
Voltage	480 VAC Max
Environmental	IP44
Temperature	max 465°F (240°C)

NOM ratings available upon request.

This high-temperature version of the PN is approved for use in temperatures up to 465°F / 240°C.

Therefore, you can supply power to electrical equipment located next to heat sources: machines, industrial facilities, steel works, metallurgy, etc.

Operating Instructions

Disconnection

Ensure that the circuit is de-energized before removing the plug from the receptacle.

To remove the plug, apply slight inward force and rotate the plug counterclockwise.

Connection

To reconnect open lid, align groves in inlet with notches in the receptacle casing.

Insert and twist clockwise until plug is engaged.

PNHT High Temperature Plugs & Receptacles – 30 A

Ratings

- **Max Amperage & Voltage**
  30 A, 480 VAC, 130 VDC
- **Not for Current Interruption**
  Not for current interrupting
- **Environmental Ratings**
  IP44
- **Temperature Range**
  Min -40°F / Max 465°F
  See pg 266 for temps below -15°F.
- **Wiring Capacity**
  Min 14 AWG Max 8 AWG

Receptacle (female)

Inlet (male)

! Don't forget to add installation accessories to your order

North American Configurations

Voltage	Polarity	Part # Metal	Part # Metal
125 V	1P+N+G	09-24075-185	09-28075-185
250 V	2P+G	09-24072-185	09-28072-185
125 250 V	2P+N+G	09-24076-185	09-28076-185
250 V	3P+G	09-24073-185	09-28073-185
125 250 V	3P+N+G	09-24077-185	09-28077-185
277 V	1P+N+G	09-24045-185	09-28045-185
480 V	2P+G	09-24042-185	09-28042-185
480 V	3P+G	09-24043-185	09-28043-185
277 480 V	3P+N+G	09-24047-185	09-28047-185

For international configurations and ratings (IEC,CE) visit meltric.com/international-catalog or contact Customer Service at 800-433-7642.

! See pages 243-252 for detailed information on these options

INSTALLATION ACCESSORIES – SIZE 1

HANDLES

HANDLE w/CORD GRIP Cable Range	Part #
.31 - .51"	571P020M185
.47 - .79"	571P025M185
.63 - .94"	571P032M185

For available cord grips, see page 169.

METAL HANDLE w/Threaded Opening w/NPT	Part #
1/2"	571P0N05185
3/4"	571P0N07185
1"	571P0N10185

BOXES

METAL WALL BOX w/NPT		Part #
0°	1/2"	571B0N05185
0°	3/4"	571B0N07185

METAL BOX w/NPT		
0°	1/2"	771F0N05
0°	3/4"	771F0N07
0°	1"	771F0N10
0°	1 1/4"	771F0N12

METAL ANGLE WITH METAL BOX w/NPT		
45°	1/2"	771C4N05185
45°	3/4"	771C4N07185
45°	1"	771C4N10185
45°	1 1/4"	771C4N12185

NPT on top or bottom (if rotated). For other NPT configurations, contact Customer Service.

ANGLES

METAL ANGLE		
0°		571M0
45°		571M4185

DSDC

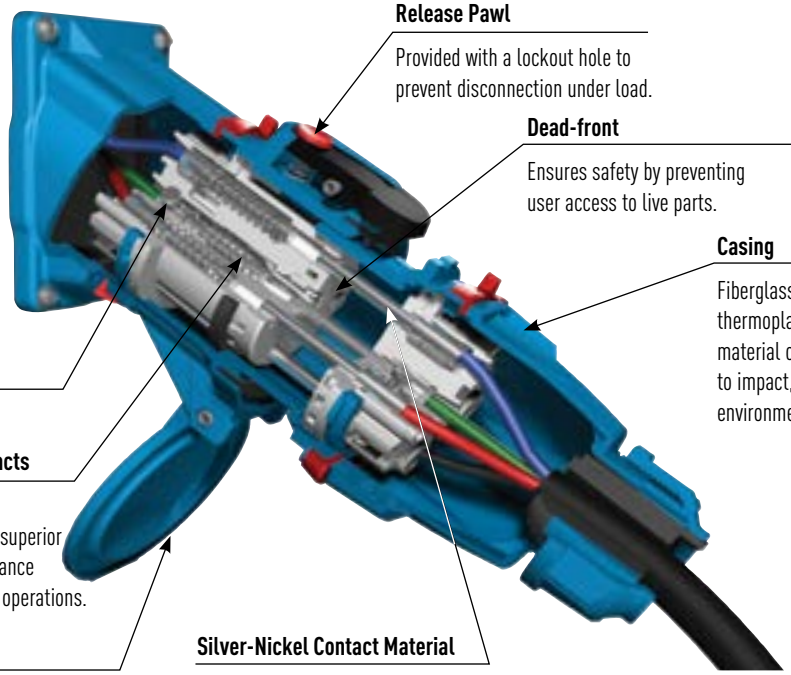
DC rated
Plug and Receptacle

Main Advantages

- Rated for Direct Currents
- Standard locking feature enables locking in the connected and disconnected mode
- Robust Metal or Poly construction

- Features and Ratings p. 118
- DSDC p. 119

PRODUCT FEATURES



Release Pawl
Provided with a lockout hole to prevent disconnection under load.

Dead-front
Ensures safety by preventing user access to live parts.

Casing
Fiberglass reinforced thermoplastic polyester material offers great resistance to impact, corrosion and harsh environmental conditions.

Spring-Assisted Screw Terminals

Spring-Loaded Butt-Style Contacts
Ensures optimal contact force and superior electrical performance over thousands of operations.

Lid
Provides additional protection from harsh environments.

Silver-Nickel Contact Material
Solid silver-nickel contact surfaces provide superior conductivity, durability and corrosion resistance.

Lockout-Tagout Provisions
Allows plug to be easily locked out and tagged. Optional Padlock Pawl allows lockout/tagout of the receptacle.

General Ratings

Amperage	130 VDC: 20 to 200 A 250 VDC: 20 to 200 A 600 VDC: 15 to 100 A 750 VDC: 10 to 30 A
Voltage	130 VDC, 250 VDC, 600 VDC or 750 VDC
Environmental	Type 3R, IP54/IP55**, Type 4X optional
Temperature	min -40°F/max 140°F

** IP54 rated when receptacle and plug are mated, when not mated receptacle alone is IP55 rated provided that the lid is latched closed.

Highlighted Feature

Receptacle Lockout Hole

All DSDC models are provided with a lockout hole in the pawl. This feature allows locking of the receptacle to prevent accidental disconnection of the plug under load.

Listings

Category	UL	CSA
Plugs and Receptacles	UL 1682	C22.2 No. 182.1

CE ratings available upon request./ NOM ratings available upon request.

Operating Instructions

When a DSDC is under load the receptacle should be locked to prevent disconnection.

If the DSDC is NOT under load, it can be disconnected by pressing the pawl.

A quarter turn of the plug allows it to be totally withdrawn from the receptacle. This is done in complete safety as the circuit is already dead.

The plug and the receptacle are separated. The safety shutter prevents access to live parts.

5 To reconnect, insert plug into receptacle, rotate 30° clockwise, and apply insertion force.

DSDC

Standard Duty Plugs & Receptacles
130V, 250V, 600V, 750V

UL/CSA Ratings

- **Max Amperage & Voltage**
  200 A, 750 VDC
- **Current Interruption Capability**
  Not for current interrupting
- **Environmental Ratings**
  DSDC1 and DSDC3:
  Type 3R/IP54/IP55 (Standard)
  DSDC6, DSDC9 and DSDC2:
  Type 4X/IP69 (Standard)
- **Temperature Range**
  Min -40°F/Max 140°F
  See pg 266 for temps below -15°F.
- **Wiring Capacity**
  DSDC1 Min 14 AWG Max 8 AWG
  DSDC3 Min 12 AWG Max 4 AWG
  DSDC6 Min 10 AWG Max 2 AWG
  DSDC9 Min 4 AWG Max 2/0 AWG
  DSDC2 Min 4 AWG Max 4/0 AWG
- Certifications
  UL 1682 (130, 250 & 600 VDC)
  CSA 182.1 listed up to 250 VDC
  750 VDC devices pass UL testing, but are outside the scope of the standard so they cannot be listed.

Receptacle Options	Part #
Type 4X Watertightness	Recept # - 4X
Metal Pawl (on poly receptacle)	Recept # - 824
Closed Lid Configuration	Recept # - NC

DSDC2 models are also provided with a screw locking pawl to provide an alternative means of preventing accidental disconnection under load.

Inlet Options	Part #
Type 4X Watertightness	Inlet # - 4X
With no Lockout Hole	Inlet # -A155

See pages 243-252 for detailed information on these options

Receptacle (female)

Inlet (male)

Don't forget to add installation accessories to your order

North American UL/CSA Configurations

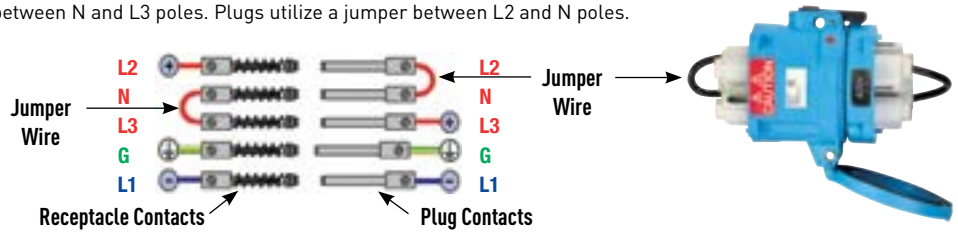
Voltage		Polarity	Part # Poly	Part # Metal	Part # Poly	Part # Metal
DSDC1	130V/20 A	2P+G	33-14109	-	33-18109	-
DSDC3	130V/30 A	2P+G	33-34109	-	33-38109	-
DSDC6	130V/60 A	2P+G	33-64109	37-64109	33-68109	37-68109
DSDC9	130V/100 A	2P+G	33-94109	37-94109	33-98109	37-98109
DSDC2	130V/200 A	2P+G	-	37-24109	-	37-28109
DSDC1	250V/20 A	2P+G	33-14209	-	33-18209	-
DSDC3	250V/30 A	2P+G	33-34209	-	33-38209	-
DSDC6	250V/60 A	2P+G	33-64209	37-64209	33-68209	37-68209
DSDC9	250V/100 A	2P+G	33-94209	37-94209	33-98209	37-98209
DSDC2	250V/200 A	2P+G	-	37-24209	-	37-28209
DSDC1	600V/15 A	2P+G*	33-14058-S82	-	33-18058-S82	-
DSDC3	600V/30 A	2P+G*	33-34058-S82	-	33-38058-S82	-
DSDC6	600V/50 A	2P+G*	33-64058-S82	37-64058-S82	33-68058-S82	37-68058-S82
DSDC9	600V/60 A	2P+G*	33-94058-S82	-	33-98058-S82	-
DSDC2	600V/100 A	2P+G*	-	37-24058-S82	-	37-28058-S82
DSDC1	750V/10 A	2P+G*	33-14158-S69	-	33-18158-S69	-
DSDC3	750V/20 A	2P+G*	33-34158-S69	-	33-38158-S69	-
DSDC6	750V/30 A	2P+G*	33-64158-S69	37-64158-S69	33-68158-S69	37-68158-S69

Notes: * Polarity for connection purposes. Devices have additional contacts used for load splitting. See information below.

For international configurations and ratings (IEC,CE) visit meltric.com/international-catalog or contact Customer Service at 800-433-7642.

Jumpers provided on 600 VDC and 750 VDC models

Jumpers are required on all 600 VDC and 750 VDC models as a safety precaution to split the arc in case of accidental disconnection under load. Plugs and receptacles are provided with jumpers installed. Receptacles utilize a jumper between N and L3 poles. Plugs utilize a jumper between L2 and N poles.



INSTALLATION ACCESSORIES

Unless indicated otherwise, accessories can be used with either poly or metal plugs and receptacles.

HANDLES

Poly Handle

DSDC1, 3, 6 shown

Poly Handle

DSDC9, 2 shown

Poly Handle

	Cable Range	Poly Handle	1/2" NPT	3/4" NPT	1" NPT	1 1/4" NPT	1 1/2" NPT	2" NPT	2 1/2" NPT
DSDC1	.20 - .82"	512P0D21	512P0N05	512P0N07	512P0N10	512P0N12	-	-	-
DSDC3	.39 - 1.18"	513P0D30	513P0N05	513P0N07	513P0N10	513P0N12	-	-	-
DSDC6	.51 - 1.38"	514P0D35	514P0N05	514P0N07	514P0N10	514P0N12	514P0N15	-	-
DSDC9	-	-	-	515P0N07	515P0N10	515P0N12	515P0N15	515P0N20	-
DSDC2	-	-	-	-	-	-	516P0N15	516P0N20	516P0N25

For metal accessories, view equivalent DS series devices.

Notes:
- Finger draw plates are recommended for easier connector closure on cord to cord assemblies.
- For available cord grips, see page 169.

BOXES

DSDC1, 3, 6 shown

Metal Box

DSDC9, 2 shown

Metal Box

	1/2" NPT	3/4" NPT	1" NPT	1 1/4" NPT	1 1/2" NPT	2" NPT	2 1/2" NPT
DSDC1	7T1F0N05	7T1F0N07	7T1F0N10	7T1F0N12	-	-	-
DSDC3	7T1F0N05	7T1F0N07	7T1F0N10	7T1F0N12	-	-	-
DSDC6	-	-	7T4F0N10	7T4F0N12	7T4F0N15	7T4F0N20	-
DSDC9	-	-	-	7T5F0N12	7T5F0N15	7T5F0N20	7T5F0N25
DSDC2	-	-	-	-	7T6F0N15	7T6F0N20	7T6F0N25

NPT on top or bottom (if rotated).
For other NPT configurations, contact Customer Service.

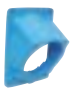
Poly Conduit Box For poly devices only

	1/2" NPT	3/4" NPT	1" NPT	1 1/4" NPT
DSDC1	512B3N05	512B3N07	-	-
DSDC3	513B3N05	513B3N07	513B3N10	-
DSDC6	514B3N05	514B3N07	514B3N10	514B3N12

For DSDC dimensions use the cross-reference chart below and refer to DS dimensions on pgs 57-58.

Dimensions	
DSDC1	same as DS20
DSDC3	same as DS30
DSDC6	same as DS60
DSDC9	same as DS100
DSDC2	same as DS200

ANGLES



	Poly 30° Angle	Metal 30° Angle	Metal Angle FS/FD Box 30°	Metal Straight Adapter	Poly 70°** Wall Box
DSDC1	512M3	592M3	792M3FS*	592M0	512C7000
DSDC3	513M3	593M3	793M3FS*	593M0	513C7000
DSDC6	514M3	594M3	-	594M0	514C7000
DSDC9	515M3	595M3	-	595M0	-
DSDC2	–	596M6 (60°)	-	596M0	-

* M3FS base measures approximately 4.2" x 2.7". Due to the variation in sizes of FS boxes, please verify that your FS box matches our dimensions, if not call Customer Service for other solutions.
** 70° boxes do not have pre-drilled entry locations. Contact Customer Service if factory drilling is required.

MISC. ACCESSORIES

* Set of Two (2)

For Inlets/Plugs Only

For Inlets/Plugs Only

For Inlets/Plugs Only

	Finger Drawplates	Protective Inlet/Plug Cap	Poly Padlockable Inlet/Plug Cap	Spring-Loaded Padlockable Inlet/Plug Cap
DSDC1	61-3A346	31-1A426	DS1PC	31-1A226
DSDC3	61-6A346	31-3A426	DS3PC	31-3A226
DSDC6	31-6A346	31-6A426	DS6PC	31-6A226+
DSDC9	**	31-9A426	DS9MC***	-
DSDC2	**	39-2A426	DS2MC***	-

* Recommended for cord to cord assembly applications, for easier connector closure.
** An easy closing mechanism is standard on DSDC9 and DSDC2.
*** Padlockable Cap Aluminum – Not pictured.
\+ For metal devices, replace "31" prefix with "39". Order with -A155 suffix.

HIGH AMPACITY
Plugs & Receptacles

High Amperage plugs and receptacles from MELTRIC offer superior safety and performance in harsh environments. Each high amperage product line features MELTRIC's exclusive contact technology along with advanced safety features and relatively easy plug insertion and removal.

PF/PFQ P. 123

THREE PHASE, TWIST TO CONNECT

- 300 A to 600 A
- Silver pressure contacts
- Mechanical locking system

DR400 P. 131

THREE PHASE, EASY PLUG INSERTION

- 400 A, 480 V or 350 A, 600 V
- Silver-nickel, Spring-loaded, butt-style contacts
- Easy closing mechanism

SP P. 135

SINGLE POLE, EXCLUSIVE SAFETY FEATURES

- 600 A (CSA), 700 A, (IEC)
- Silver, butt-style contacts
- Integral pilot circuit

CS1000 P. 139

SINGLE POLE, EASY TO OPERATE

- 400 A, 600 V
- Silver-nickel, Spring-loaded, butt-style contacts
- Locking pin prevents accidental disconnects

PF/PFQ

High Amperage Plug and Receptacle

Main Advantages

- Durable in harsh environments
- Safety features provide maximum protection
- Easy plug insertion and removal

Watch the PF video and other product videos at meltric.com/video

- Features and Ratings p. 124
- PF/PFQ 300-600 A p. 125
- PF/PFQ Lugs p. 127
- Spare Parts p. 129
- Dimensions p. 130

PFQ300 *devices are differentiated from similarly rated* **PF300** *devices in their smaller size, lighter weight and additional pilot contacts.*

PRODUCT FEATURES

Auxiliary Pilot Contacts
Provided for use with control circuits. They close after and open before the phase contacts.

Mechanical Locking System
Ensures safety and watertightness. Mechanical lock secures the inlet to the receptacle and engages the auxiliary/pilot contacts.

Casing
Epoxy/powder coated aluminum material offers great resistance to harsh environments.

Silver Pressure Contacts
Silver material and self-cleaning action provides maximum conductivity and performance in dirty and corrosive conditions.

Safety Shutter
Protects recessed female contacts and inhibits user access to live parts.

General Ratings

Amperage	300 to 600 A
Voltage+	600 VAC, 250 VDC Max
Frequency	50-60 Hz (not UL at 50 Hz)
Environmental	IP66/IP67
Temperature	min -40°F/max 140°F

* 600 VAC max for PFQ devices
+ UL listings do not apply above 600 VAC and 250 VDC.

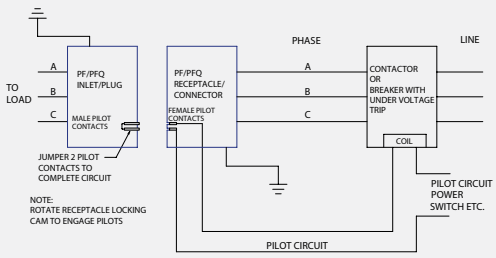
Listings

Category	UL	CSA
Plugs and Receptacles	UL 1682	C22.2 No. 182.1

* Listings only apply to 300 A and 400 A devices at 600V or less. NOM ratings available upon request.

Highlighted Feature

Pilot Contacts



Line diagram of typical PF pilot control circuit

For multiple devices in a parallel circuit, contact factory for example control circuit diagrams.

Category	PF	PFQ
# Contacts	4	8
Pilot Amperage	10 A standard duty	5 A @ 240VAC
Interlocking Type	Mechanical	Mechanical
Terminal Type	Screw	Solder/crimp

Notes:
- The mechanical locking of the plug to the receptacle via the rotation of a cam, closes the pilot contacts.
- Failure to use a pilot/relay system can create an electrical shock hazard.

Operating Instructions

PF devices are preferred for the ease of operation relative to pin and sleeve devices.

Insert the plug into the receptacle – this is done with little resistance relative to competitive devices.

Twist plug approximately 30° clockwise to engage the phase contacts and make unit watertight.

Turning the mechanical lock secures the inlet to the receptacle and engages the pilot contacts which energize the circuit.

5 To disconnect, turn mechanical lock to disengage pilot contacts and de-energize the circuit. Twist plug 30° counterclockwise to disengage the phase contacts, withdraw plug.

PF/PFQ High Ampacity Plugs & Receptacles
300 A - 600 A

UL/CSA Ratings

- **Max Amperage & Voltage**
  PFQ300 = 300 A, 600 VAC, 250 VDC
  PF300 = 300 A, 600 VAC, 250 VDC
  PF400 = 400 A, 600 VAC, 250 VDC
  PF600 = 600 A, 600 VAC, 250 VDC
- **Current Interruption Capability**
  Not for current interrupting
- **Environmental Ratings**
  IP66/IP67
- **Temperature Range**
  Min -40°F / Max 140°F
  See pg 266 for temps below -15°F.
- **Wiring Capacity**
  PFQ = 2 AWG to 600 MCM
  PF = 2 AWG to 600 MCM
- **Certifications**
  UL 1682, CSA 182.1
  Listings do not apply to PF600.

PF/PFQ devices are not intended for connection or disconnection under load. To prevent live making or breaking electrical interlocking is required.

Don't forget to add installation accessories to your order

Receptacle/Cap (female)

PFQ shown

Inlet/Cap (male)

PFQ shown

North American Configurations

Voltage	Polarity	Part # PFQ 300**	Part # PF300	Part # PFQ 300**	Part # PF300
277 V	1P+N+G	47-34045	49-34045	47-38045	49-38045
347 V	1P+N+G	47-34145	49-34145	47-38145	49-38145
480 V	2P+G	47-34042	49-34042	47-38042	49-38042
277 480 V	2P+N+G	47-34046	49-34046	47-38046	49-38046
480 V	3P+G	47-34043	49-34043	47-38043	49-38043
277 480 V	3P+N+G	47-34047	49-34047	47-38047	49-38047
600 V	2P+G	47-34142	49-34142	47-38142	49-38142
347 600 V	2P+N+G	47-34146	49-34146	47-38146	49-38146
600 V	3P+G	47-34143	49-34143	47-38143	49-38143
347 600 V	3P+N+G	47-34147	49-34147	47-38147	49-38147

** PFQ300 devices are differentiated from similarly rated PF300 devices in their smaller size, lighter weight and different pilot contacts.

Main Options	Part #
Receptacle with no cap	Recept # - 48
Receptacle with lockout hole	Recept # - 843
Inlet with no cap	Inlet # - 48
Inlet with lockout hole	Inlet # - 843

Notes: • Metal caps are provided as standard with inlets and receptacles.

• Heat shrink wrap is provided with each inlet and receptacle to provide insulation between terminals.

• **Lugs are not included**. The PF and PFQ contacts utilize bolt-on lug type wire terminals, which require a compression lug with a 9/16" or 5/8" hole. The angled handle requires straight lugs; the straight handle requires 90° lugs.

See pages 243-252 for detailed information on these options

Receptacle/Cap (female)

PF shown

Inlet/Cap (male)

PF shown

North American Configurations

Voltage	Polarity	Part # PF400	Part # PF600	Part # PF400	Part # PF600
277 V	1P+N+G	49-44045	49-64045	49-48045	49-68045
347 V	1P+N+G	49-44145	49-64145	49-48145	49-68145
480 V	2P+G	49-44042	49-64042	49-48042	49-68042
277 480 V	2P+N+G	49-44046	49-64046	49-48046	49-68046
480 V	3P+G	49-44043	49-64043	49-48043	49-68043
277 480 V	3P+N+G	49-44047	49-64047	49-48047	49-68047
600 V	2P+G	49-44142	49-64142	49-48142	49-68142
347 600 V	2P+N+G	49-44146	49-64146	49-48146	49-68146
600 V	3P+G	49-44143	49-64143	49-48143	49-68143
347 600 V	3P+N+G	49-44147	49-64147	49-48147	49-68147

INSTALLATION ACCESSORIES – SIZE C & F

HANDLES

METAL STRAIGHT HANDLE		Angle	Part #
PF shown	PFQ300	0°	**47-3A013-XXX**
	PF300	0°	**49-3A013-XXX**
	PF400	0°	**49-4A013-XXX**
Standard Clamp shown	PF600	0°	**49-6A013-XXX**

METAL ANGLED HANDLE		Angle	Part #
PF shown	PFQ300	90°	**47-3A913-XXX**
	PF300	90°	**49-3A913-XXX**
	PF400	90°	**49-4A913-XXX**
Standard Clamp shown	PF600	90°	**49-6A913-XXX**

STANDARD CLAMP w/CABLE RANGE	XXX (Suffix #)
2.000 - 2.125"	**-200**
2.125 - 2.250"	**-225**
2.250 - 2.375"	**-237**
2.375 - 2.500"	**-250**
2.500 - 2.750"	**-275**
2.750 - 3.000"	**-300**
3.000 - 3.125"	**-312**
3.125 - 3.350"	**-335**
3.350 - 3.577"	**-350**

ADAPTER	NPT	XXX (Suffix #)
	2.0"	**-N20**
	2.5"	**-N25**
	3.0"	**-N30**

For available cord grips, see page 169

BOXES

METAL BOX	Part #
PFQ300	**MB40PFQ-XX**
PF300	**MB40-XX**
PF400	**MB40-XX**
PF600	**MB40-XX**

This box is a heavy-duty powder coated aluminum back box with removable cover. Conduit entry hub up to 4" NPT can be ordered on one or both ends or even on the back of the enclosure. Multiple hubs and sizes can be ordered for installs with parallel entry's on one end of the box.

HUB SIZES	NPT	XX (Suffix #)
	2.0"	**-20**
	2.5"	**-25**
	3.0"	**-30**
	3.5"	**-35**
	4.0"	**-40**

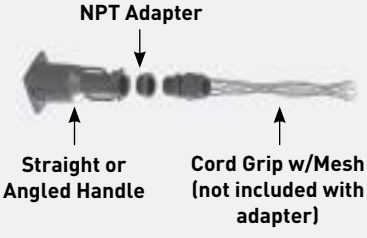
STAINLESS STEEL BOX	NPT	PFQ	PF
	2.0"	**47-4A023-N020**	**49-6A023-N020**
	2.5"	**47-4A023-N025**	**49-6A023-N025**
	3.0"	**47-4A023-N030**	**49-6A023-N030**
24"x16"x8"	4.0"	**47-4A023-N040**	**49-6A023-N040**

STAINLESS STEEL BOX	NPT	PFQ	PF
	2.0"	**47-4A023-N520**	**49-6A023-N520**
	2.5"	**47-4A023-N525**	**49-6A023-N525**
	3.0"	**47-4A023-N530**	**49-6A023-N530**
36"x16"x12"	4.0"	**47-4A023-N540**	**49-6A023-N540**

These enclosures offer additional interior volume for extra wiring space. Both size enclosures have two removable covers and a one piece back pan installed for customer convenience. Conduit entry up to 4" NPT is limited to the bottom of the enclosure

Accessory Spotlight

NPT Adapter



The NPT adapter accessory allows the user to connect a third-party cord grip to the PF/PFQ handle.

MISC. ACCESSORIES

INLET METAL CAP		
	PFQ300	**47-3A126**
	PF300	**49-3A126**
	PF400	**49-4A126**
	PF600	**49-6A126**

RECEPTACLE METAL CAP		
	PFQ300	**47-3A925**
	PF300	**49-3A925**
	PF400	**49-4A925**
	PF600	**49-6A925**

WEIGHTS

PART	PF	PFQ
Inlet	15 lbs	9 lbs
Receptacle	25 lbs	12 lbs
Angled Handle	15 lbs	12 lbs
Straight Handle	10 lbs	10 lbs
Junction Box	45 lbs	45 lbs
Cap	12 lbs	3 lbs
Stainless Steel Box	85 lbs	55 lbs

PF/PFQ High Ampacity Plugs & Receptacles
300 A - 600 A

Straight Barrel Lugs

MELTRIC recommends using lugs with tangs that do not exceed 1 3/4".

Lugs are not included with PF/PFQ devices - order separately

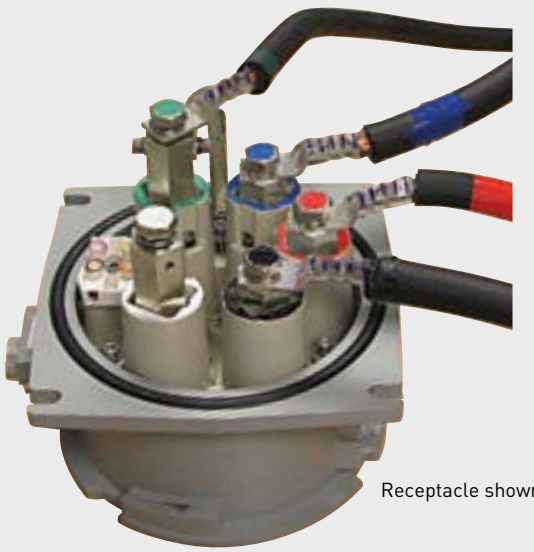
Part #	Wire Size Class B, C	Wire Size (Flex) Class G, H, I, K, M, DLO
PFLUG1	1 AWG	2 AWG
PFLUG10	1/0 AWG	1 AWG
PFLUG20	2/0 AWG	1/0 AWG
PFLUG30	3/0 AWG	2/0 AWG
PFLUG40	4/0 AWG	3/0 AWG
PFLUG250	250 kcmil	4/0 AWG
PFLUG300	300 kcmil	250 kcmil (G, H)
PFLUG350	350 kcmil	250/262 kcmil (I, K, M, DLO)
PFLUG400	400 kcmil	300/313 kcmil
PFLUG500	500 kcmil	350/373 kcmil
PFLUG600	600 kcmil	400/444 kcmil
PFLUG650	650 kcmil	500/535 kcmil

Application Note

Installation Accessory: Angled Handle

Straight Barrel Lugs are utilized on PF/PFQ devices along with angled handles.

Apply heat shrink over lugs at terminals (supplied but not shown).



Receptacle shown

90° Bent/Angle Lugs

Lugs are not included with PF/PFQ devices - order separately

MELTRIC recommends using lugs with tangs that do not exceed 1 3/4".

Part #	Wire Size Class B, C	Wire Size (Flex) Class G, H, I, K, M, DLO
PFLUG1-90	1AWG	2 AWG
PFLUG10-90	1/0 AWG	1 AWG
PFLUG20-90	2/0 AWG	1/0 AWG
PFLUG30-90	3/0 AWG	2/0 AWG
PFLUG40-90	4/0 AWG	3/0 AWG
PFLUG250-90	250 kcmil	4/0 AWG
PFLUG300-90	300 kcmil	250 kcmil (G, H)
PFLUG350-90	350 kcmil	250/262 kcmil (I, K, M, DLO)
PFLUG400-90	400 kcmil	300/313 kcmil
PFLUG500-90	500 kcmil	350/373 kcmil
PFLUG600-90	600 kcmil	400/444 kcmil
PFLUG700-90	700 kcmil	500/535 kcmil

Application Note

Installation Accessory: Straight Handle

90° Bent Lugs are utilized on PF/PFQ devices along with straight handles.

Apply heat shrink over lugs at terminals (supplied but not shown).

Inlet shown

PF/PFQ SPARE PARTS

Male Configuration

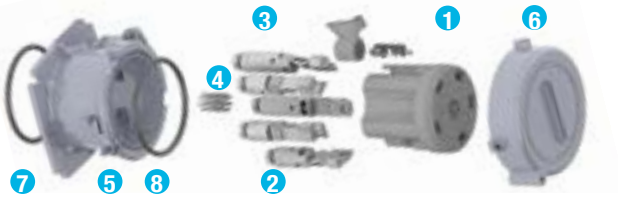
PFQ pictured

PF pictured

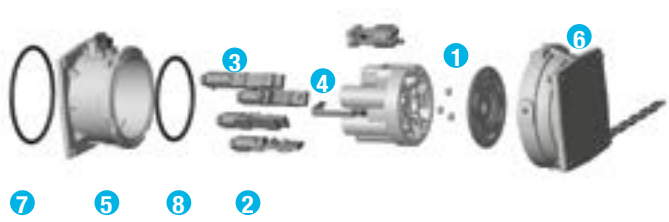
		PFQ300 METAL	PF300 METAL	PF400 METAL	PF600 METAL
1	Plug Interior*	47-3A010+	49-3A010	49-4A010	49-6A010
	Plug Interior with contacts** (Pilot & Ground only)	47-3A110	49-3A110	49-4A110	49-6A110
2	Phase Contact	47-4A011	49-3A011	49-4A011	49-6A011
3	Neutral Contact	47-3A011N	49-3A011N	49-4A011N	49-6A011N
4	Ground Contact	47-3A019	49-3A019	49-4A019	49-6A019
5	Inside Gasket	CPF403PFQ	CPF403	CPF403	CPF403
6	Outside Gasket	CPF405PFQ	CPF405	CPF405	CPF405
7	Plug Metal Casing*	47-3A014	49-3A014	49-4A014	49-6A014

Female Configuration

PFQ pictured



PF pictured



		PFQ300 METAL	PF300 METAL	PF400 METAL	PF600 METAL
1	Receptacle Interior*	47-3A020+	49-3A020	49-4A020	49-6A020
	Receptacles Interior with contacts** (Pilot & Ground only)	47-3A220	49-3A220	49-4A220	49-6A220
2	Phase Contact	47-4A021	49-3A021	49-4A021	49-6A021
3	Neutral Contact	47-3A021N	49-3A021N	49-4A021N	49-6A021N
4	Ground Contact	47-3A029	49-3A029	49-4A029	49-6A029
5	Receptacle Metal Casing*	47-3A024	49-3A024	49-4A024	49-6A024
6	Cap (Receptacle)	47-3A925	49-3A925	49-3A925	49-3A925
7	Inside Gasket	CPF403PFQ	CPF403	CPF403	CPF403
8	Outside Gasket	CPF405PFQ	CPF405	CPF405	CPF405

* Voltage and phasing positions must be specified (5th, 6th & 7th digit of Part #) to duplicate your shutter and alignment notches.

** Includes ground and pilot contacts only.

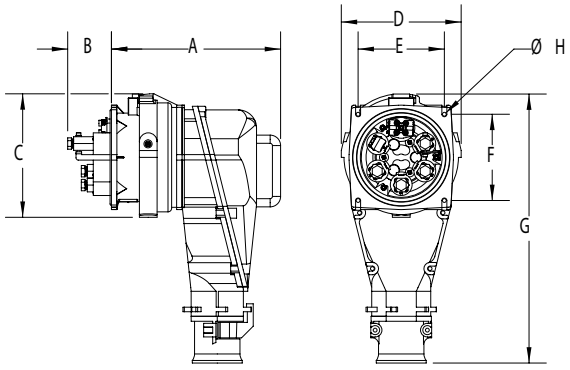
\+ Includes pilot contacts only.

For replacement parts contact Customer Service at 800-433-7642

PF/PFQ DIMENSIONS – Provided in inches

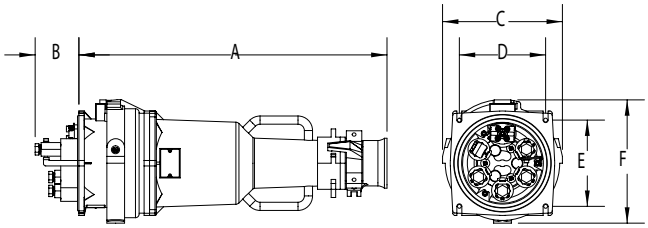
Dimensions are for reference only and may change depending on accessories used. For precise dimensions contact MELTRIC Engineering.

Angled Plug



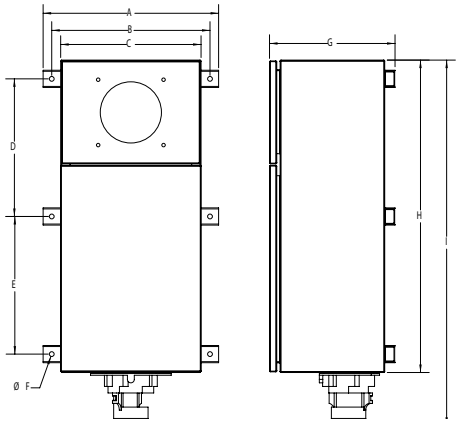
PRODUCT	A	B	C	D	E	F	G	H
PFQ	13.94	2.72	9.61	7.95	5.71	5.71	18.54	0.43
PF	14.67	3.79	10.71	10.39	7.48	7.48	23.33	0.43

Straight Plug



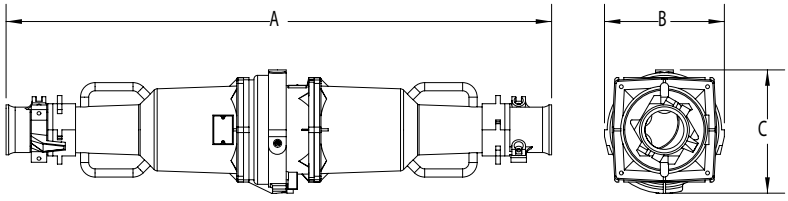
PRODUCT	A	B	C	D	E	F
PFQ	25.40	2.72	7.95	5.71	5.71	9.61
PF	26.72	3.79	10.39	7.48	7.48	10.69

SS Wall Boxes



PRODUCT	A	B	C	D	E	F	G	H	I
PFQ	20.08	18.11	16.06	18.03	N/A	0.55	10.55	23.94	25.42
PF	20.08	18.11	16.06	15.75	15.75	0.55	14.36	35.75	37.21

Connector/Plug



PRODUCT	A	B	C
PFQ	46.50	9.61	7.95
PF	47.31	10.39	10.69

DR400 High Amperage Plug and Receptacle

Main Advantages

- Exclusive contact technology maximizes performance and durability
- Safety features protect workers
- Easy plug insertion and removal

Watch the DR400 video and other product videos at meltric.com/video

- Features and Ratings p. 132
- DR400 p. 133
- Dimensions p. 134

PRODUCT FEATURES

Locking Pawl (padlockable)

Prevents accidental disconnection and makes lockout-tagout easy.

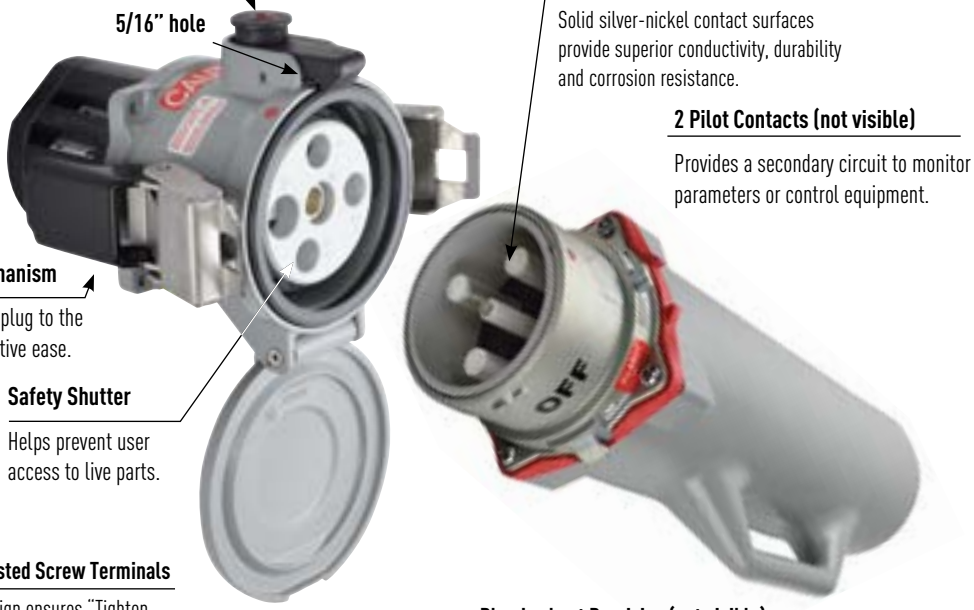
5/16" hole

Silver-Nickel Contact Material

Solid silver-nickel contact surfaces provide superior conductivity, durability and corrosion resistance.

2 Pilot Contacts (not visible)

Provides a secondary circuit to monitor parameters or control equipment.



Easy Closing Mechanism

Users can mate the plug to the receptacle with relative ease.

Safety Shutter

Helps prevent user access to live parts.

Spring Assisted Screw Terminals

Patented design ensures "Tighten and Forget" confidence.

Plug Lockout Provision (not visible)

Lockout hole on inlet allows plug to be lock and tagged.

General Ratings

Amperage	400 A at 480 VAC 350 A at 600 VAC
Environmental	Type 4X, IP69/IP69K
Temperature	min -40°F/max 140°F

Listings

Category	UL	CSA
Plugs and Receptacles	UL 1682	C22.2 No. 182.1

NOM ratings available upon request.

Highlighted Feature

Silver-Nickel, Spring-Loaded Butt-Style Contacts

Solid Silver-Nickel, Spring-Loaded Butt Style Contacts maintain optimal contact pressure and superior conductivity even in dirty, corrosive environments.

Operating Instructions

Partially insert the plug.

Place the closing mechanism around tabs on inlet.

Push the handles up, the plug is fully drawn into the receptacle.

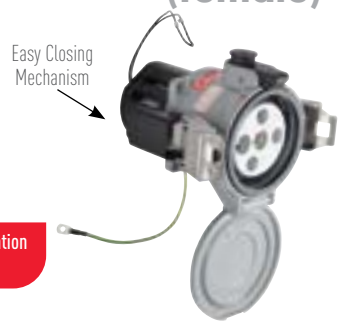
Use the locking tool and turn clockwise to tighten screw.

DR400 Standard Duty Plugs & Receptacles – 400 A

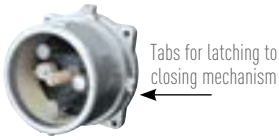
UL/CSA Ratings

- **Max Amperage & Voltage**
  400 A Max at 480 VAC
  350 A Max at 600 VAC
- **Current Interruption Capability**
  Not for current interrupting
- **Short Circuit Rating**
  18 kA
  A withstand test was performed with RK1 current limiting fuses sized at at least 100% of the device's ampacity rating.
- **Environmental Ratings**
  Type 4X/IP69
- **Temperature Range**
  Min -40°F / Max 140°F
  See pg 266 for temps below -15°F.
- **Wiring Capacity**
  Min 2 AWG Max 500 MCM*
  Aux Contacts – 14 AWG (prewired)
  * Wire size to 500 MCM can be accommodated through use of Cable Reducing Adapters. See Accessory Spotlight.
- **Certifications**
  UL 1682
  CSA 182.1

Receptacle (female)



Inlet (male)



Don't forget to add installation accessories to your order

North American UL/CSA Configurations

Voltage	Polarity	Part # Metal	Part # Metal
208 V	3P+G+2PIL	**39-44163-172**	**39-48163-172**
250 V	3P+G+2PIL	**39-44073-172**	**39-48073-172**
480 V	3P+G+2PIL	**39-44043-172**	**39-48043-172**
600 V	3P+G+2PIL	**39-44143-172***	**39-48143-172***

* 350 A only for 600V models
Other voltage configurations are available - contact Customer Service at 800-433-7642

For international configurations and ratings (IEC,CE) visit meltric.com/international-catalog or contact Customer Service at 800-433-7642.

Key Feature

Standard Locking Pawl

DR400 receptacles are provided with a screw-type locking pawl that prevents accidental disconnections under load.

Receptacle Options	Suffix #	Inlet Options	Suffix #
Closed Lid Configuration	**Recept # -NC**	With No Lockout Hole	**Inlet # -A155**

Order Example: DR400 with Cable Reducing Adapters

To accommodate 500 MCM cable, cable reducing adapters and an extended angle with spacer accessory is required.

Typical order: 480 V 3P+G+2PIL

Receptacle: 39-44043-**172** +

Angle: 5T7M6-68 +

Cable Reducers: PT500R350-3 (3 are required)

Inlet: 39-48043-**172** +

Handle: 5T7P0N25 +

Cable Reducers: PT500R350-3 (3 are required)

See pages 243-252 for detailed information on these options

INSTALLATION ACCESSORIES – SIZE 7

HANDLES

LARGE HANDLE w/NPT	Part #
2"	5T7P0N20
2 1/2"	5T7P0N25
3"	5T7P0N30

LARGE HANDLE w/CORD GRIP w/MESH w/Cable Range	
2.062 - 2.188"	5T7P0JT1
2.188 - 2.312"	5T7P0JT2
2.312 - 2.438"	5T7P0JT3*
2.437 - 2.625"	5T7P0KT1
2.625 - 2.812"	5T7P0KT2

*May require stripping of cable jacket.

STRAIGHT HANDLE W/BUSHING w/Cable Range	
1.57 - 1.97"	5K6P0D50
2.01 - 2.36"	5K6P0D60
2.40 - 2.76"	5K6P0D70
2.79 - 3.15"	5K6P0D80

ANGLES

METAL ANGLE		
0°	5T7M0	
Extended 60°	5T7M6	
Extended 60° with 68 mm spacer.	5T7M6-68	Provides space for Cable Reducing Adapters.

BOXES

METAL BOX w/NPT		Part #
0°	2"	7T7F0N20
0°	2 1/2"	7T7F0N25
0°	3"	7T7F0N30
0°	3 1/2"	7T7F0N35
0°	4"	7T7F0N40

* Requires an Angle Adapter.

MISCELLANEOUS ACCESSORIES

PROTECTIVE INLET/PLUG CAP		
	39-2A426	For Inlet/Plugs Only.

CABLE REDUCING ADAPTERS		
	PT535FX350-3	Reducer for 500 MCM Fine Stranded or Flexible Wire.
	PT500R350-3	Reducer for 500 MCM Coarse Stranded or Building Wire.
	PT400R350-3	Reducer for 400 MCM Wire.

INLET COMPATIBILITY KIT		
	39-4A396	

SPACER		
	5T7M0-68	68mm (2.68") spacer is used (included) with metal 60° angle.
	5T7M0-115	115mm can be used when mounting to a panel - though the metal straight adapter is preferred.

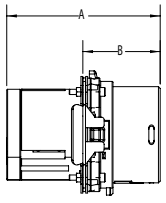
PADLOCKABLE INLET/PLUG CAP		
	DS2MC	Aluminum – For Inlets/Plugs Only. -A155 suffix required to maintain water ingress protection.

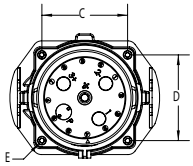
RECEPTACLE LOCKING PIN		
	LP-843	Requires Padlockable Pawl option (-843) on receptacle.

DIMENSIONS – Provided in inches

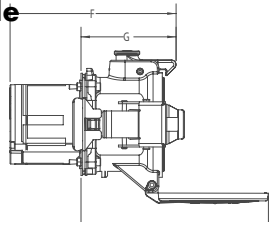
Dimensions are for reference only and may change depending on accessories used. For precise dimensions contact MELTRIC Engineering.

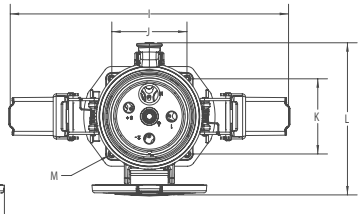
Inlet





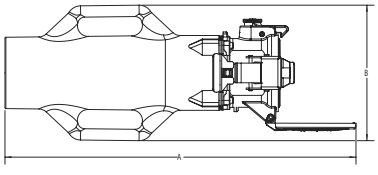
Receptacle

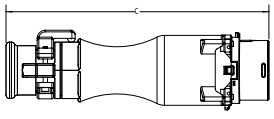




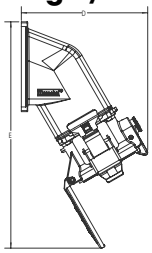
PRODUCT	A	B	C	D	E	F	G	H	I	J	K	L	øM
DR400	6.61	3.48	3.86	3.86	0.26	8.51	5.03	9.62	14.29	3.86	3.86	7.85	0.26

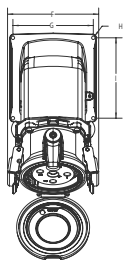
Plug





Angle/Receptacle





PRODUCT	A	B	C	D	E	F	G	H	I
DR400	24.62	9.50	18.50	10.22	18.29	7.36	6.50	0.28	6.50

SP High Amperage Plug and Receptacle

Main Advantages

- Safety features provide maximum protection
- Silver, butt-style contact technology maximizes durability
- IP66/IP67 environmental protection when mated
- Mechanical coding prevents intermating of phases

- Features and Ratings p. 136
- SP p. 137
- Dimensions p. 138

PRODUCT FEATURES

Pilot Connections

Integral pilot circuit for controlling the power circuit.

Latch Release Button

Enables disconnection of the plug from the receptacle.

Silver Contact Material

Enables maximum performance and durability – withstands at least 2000 operations.

Color Coding

Enables quick visual identification of matching plugs/receptacles.

Mechanical Interlock

Twist ring closes/opens the pilot circuit and locks/unlocks the latching mechanism to prevent connection or disconnection under load.

Phase Label

Indicates phase of receptacle.

Protective Caps

Protects contacts when disconnected.

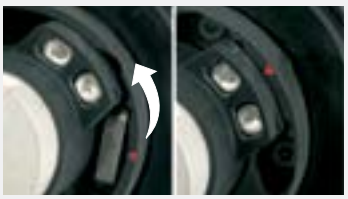
General Ratings

Listing	CSA	IEC
Amperage	600 A	700 A
Voltage	600 VAC	1000 VAC / 1500 VDC Max
Frequency	50-400 Hz	50-400 Hz
Horsepower	500 hp	–
Environmental	IP66/IP67	IP66/IP67
Temperature	min -15°F/max 140°F	min -15°F/max 140°F

NOM ratings available upon request.

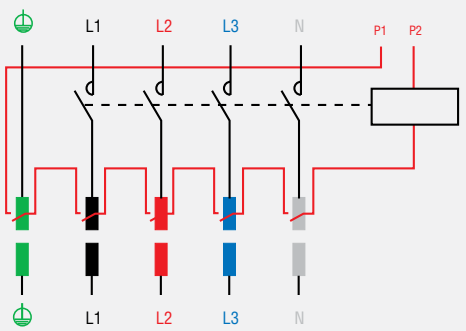
Highlighted Feature

Pilot Circuit

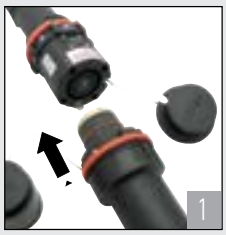


SP plugs and connectors are designed with safety and durability in mind. Each device is mechanically interlocked with an integral pilot circuit switch for controlling the power circuit in order to prevent connection and disconnection under load.

A typical pilot circuit wiring diagram



Operating Instructions



To connect, insert the plug into the receptacle until a click is heard. Rotation of the plug in either direction engages a locking finger, which prevents further rotation.

To close the pilot circuit and mechanically lock the plug into the receptacle, turn the ring on the receptacle until the "1" lines up with the arrow. This turns the power on.

To disconnect, open the pilot circuit and unlock the plug by turning the ring until the "0" is aligned with the arrow. The power is now off.

Press firmly on the latch release button and simultaneously pull on the inlet. A slight rotation of the plug may also be required.

SP Single Pole Plugs & Receptacles – 600 A

CSA Ratings

- **Max Amperage & Voltage**
  600 A, 600 VAC
  To order devices for international applications and for IEC listings up to 700 A, 1000 VAC/1500 VDC, refer to international CE devices catalog.
- **Current Interruption Capability**
  Not for Current Interrupting
- **Horsepower Ratings**
  480 V 3Ø 500 hp
  600 V 3Ø 500 hp
  CSA HP rated when auxiliary pilots are wired to control motor control circuit.
- **Environmental Ratings**
  IP66/IP67
- **Temperature Range**
  Min -15°F / Max 140°F
- **Wiring Capacity**
  Min 2/0 Max 777 MCM
- **Applicable Standards**
  CSA 182.1
  (Listing applies to AC devices only)
- **Pilot Wiring**
  1A, 240 VAC, 14 AWG (Prewired)

! Don't forget to add installation accessories to your order

Receptacle (replacement) (female) without lug

Receptacle (female) on angle adapter (sold as a set)

Connector* (female) on handle (sold as a set)

North American Configurations

North American Color Code	Polarity	Part # without lug	Part # on angle adapter	Part # on handle
	L1	45-44001-P80	45-47001-P80	45-43001-P80
	L2	45-44002-P80	45-47002-P80	45-43002-P80
	L3	45-44003-P80	45-47003-P80	45-43003-P80
	NEUTRAL	45-4400N-P80	45-4700N-P80	45-4300N-P80
	GROUND	45-4400T-P80	45-4700T-P80	45-4300T-P80
	POSITIVE	45-4400P	45-4700P	45-4300P
	NEGATIVE	45-4400M	45-4700M	45-4300M

Inlet (replacement) (male) without lug

Inlet (male) on angle adapter (sold as a set)

Plug* (male) on handle (sold as a set)

North American Configurations

North American Color Code	Polarity	Part # without lug	Part # on angle adapter	Part # on handle
	L1	45-48001-P80	45-49001-P80	45-41001-P80
	L2	45-48002-P80	45-49002-P80	45-41002-P80
	L3	45-48003-P80	45-49003-P80	45-41003-P80
	NEUTRAL	45-4800N-P80	45-4900N-P80	45-4100N-P80
	GROUND	45-4800T-P80	45-4900T-P80	45-4100T-P80
	POSITIVE	45-4800P	45-4900P	45-4100P
	NEGATIVE	45-4800M	45-4900M	45-4100M

Suffix	Range
-5B	.875 - 1.000"
-5C	1.000 - 1.125"
-5D	1.125 - 1.250"
-5E	1.250 - 1.375"
-8A	1.250 - 1.375"
-8B	1.312 - 1.437"
-8C	1.438 - 1.562"
-8D	1.562 - 1.688"

Contact MELTRIC for IEC/CE Part Numbers

*Note: Plugs and Connectors come standard with .750-.875 cable range. For other sizes pleae refer to table to the left.

INSTALLATION ACCESSORIES – SIZE S

Use with angle 45° or direct mount

(Bolt Included)

Use with handle for cord mounting

CRIMPING LUGS

Internal Diameter		Straight w/terminal	Straight Threaded	WIRE CAPACITY Flexible Wiring*		Coarse Wiring	
in	mm	Part #	Part #	mm²	AWG	mm²	AWG
.43	11	**45-4A50C**	**45-4A50D**	50	1/0	70	2/0
.51	13.1	**45-4A70C**	**45-4A70D**	70	2/0	95	3/0
.57	14.5	**45-4A95C**	**45-4A95D**	95	3/0	120	4/0
.64	16.2	**45-4A12C**	**45-4A12D**	120	250	150	300
.71	18	**45-4A15C**	**45-4A15D**	150	300	185	400
.81	20.6	**45-4A18C**	**45-4A18D**	185	350	240	450
.91	23.1	**45-4A24C**	**45-4A24D**	240	450	300	500
1.03	26.1	**45-4A30C**	**45-4A30D**	300	600	400	750
1.15	29.2	**45-4A40C**	**45-4A40D**	400	750, 777	500	800

Notes: * Class H & I

HANDLES

HANDLE	Cable Outside Diameter	Part #
	.750 - .875"	**45-4A753-A**
	.875 - 1.000"	**45-4A753-B**
	1.000 - 1.125"	**45-4A753-C**
	1.125 - 1.250"	**45-4A753-D**
	1.250 - 1.375"	**45-4A753-E**
	1.250 - 1.375"	**45-4A783-A**
	1.312 - 1.437"	**45-4A783-B**
	1.438 - 1.562"	**45-4A783-C**
	1.562 - 1.688"	**45-4A783-D**

ANGLES

METAL ANGLE		Part #
	45°	**45-4A027**

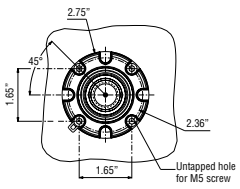
ACCESSORIES

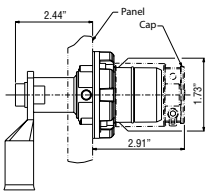
DRAWBAR		Part #
	handle	**45-4A376**
	plate	**45-4A396**

Dimensions Inlet/Receptacle – Provided in inches

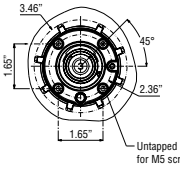
Dimensions do not show drawbar, are for reference only and may change depending on accessories used. For precise dimensions contact MELTRIC Engineering.

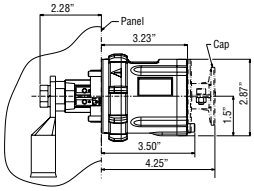
Inlet



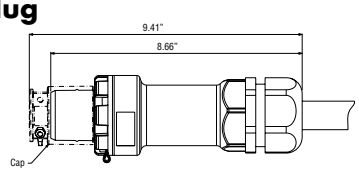


Receptacle

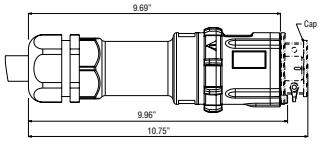




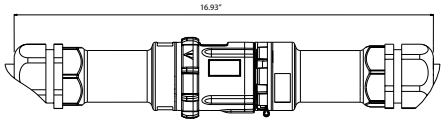
Plug



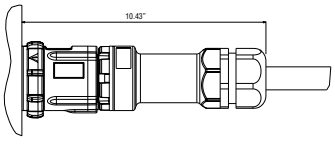
Connector



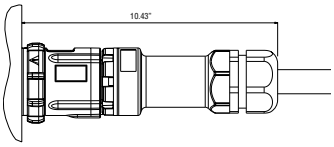
Plug/Connector



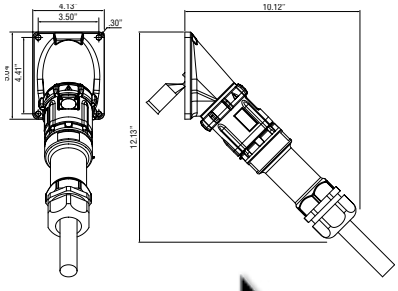
Plug with Connector On/Off



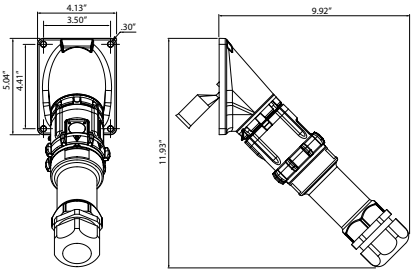
Connector with plug On/Off



45° Inclined Receptacle/Angle with Plug



45° Inclined Inlet/Angle with Connector



CS1000 High Amperage Plug and Receptacle

Main Advantages

- High Amperage Capacity up to 400 A at 600 VAC, 600 VDC (in North America) or 1000 VAC, 1500 VDC (in Europe - CE rated).
- Safety features protect users from live parts and prevent unwanted disconnection.
- Silver-nickel butt contacts provide superior performance and corrosion resistance.

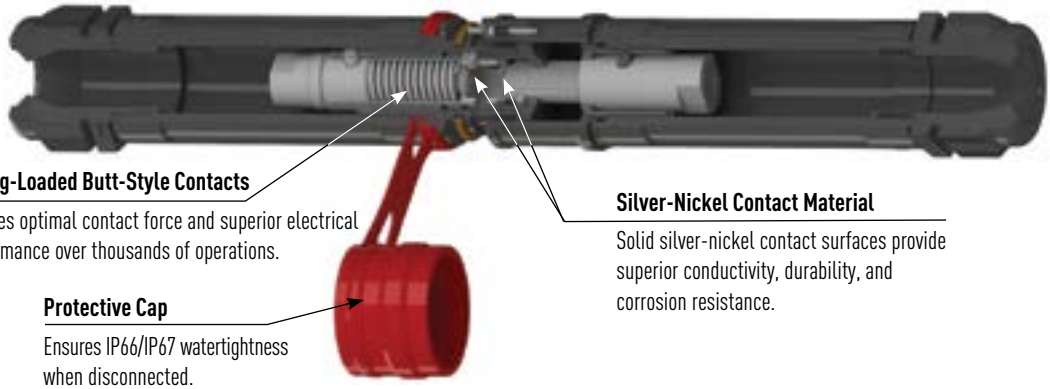
- Features and Ratings p. 140
- CS1000 p. 141
- Dimensions p. 142

PRODUCT FEATURES

Locking Pin
Prevents accidental disconnects.

Fingerguard
Protects from live parts (IP2X).

Removable Unlocking Tool
Enables easy disconnection of male plug.



Spring-Loaded Butt-Style Contacts
Ensures optimal contact force and superior electrical performance over thousands of operations.

Silver-Nickel Contact Material
Solid silver-nickel contact surfaces provide superior conductivity, durability, and corrosion resistance.

Protective Cap
Ensures IP66/IP67 watertightness when disconnected.

General Ratings

Amperage	400 A
Voltage*	1000 VAC, 1500 VDC
Frequency	50-400 Hz
Environmental	IP66/IP67
Temperature	min -40°F/max 140°F

* CS1000 plugs and receptacles are UL listed in accordance with UL 1691. CS1000 devices are for use in non-load break applications up to 400 A at 600 VAC, 600 VDC (in North America) or 1000 VAC, 1500 VDC (in Europe - CE rated).
NOM available if required.

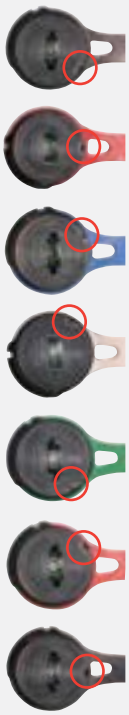
Listings

Category	UL	CSA	IEC
Single Pole Plugs and Receptacle	UL 1691	CSA 1691-12	60309-1

NOM ratings available upon request.

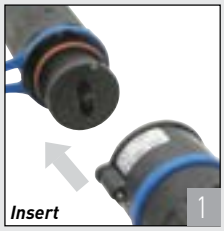
Highlighted Feature

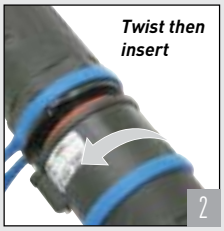
5 Mechanical Keying Positions (North America color codes shown.)



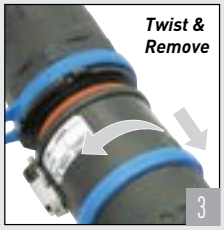
Operating Instructions

Connection





Disconnection



HIGH AMPACITY

CS1000 Standard Duty Plugs & Receptacles - 400 A

UL/CSA Ratings

- **Amperage**
  400 A
  Not for Current Interrupting
- **Voltage**
  600 VAC, 600 VDC
- **Short Circuit Rating**
  10 kA Withstand
  Testing was performed with RK1 current limiting fuses sized at least 100% of the device's ampacity rating.
- **Environmental Ratings**
  IP66/IP67
- **Temperature Range**
  Min -40°F / Max 140°F
  See pg 266 for temps below -15°F.
- **Wiring Capacity**
  Min 1/0 AWG / Max 444 MCM
  90°C rated wire required
- **Applicable Standards**
  UL 1691
  CSA 1691-12

Receptacle (female) without lug

Inlet (male) without lug

! Don't forget to add installation accessories to your order

North American Configurations

North American Color Code	Polarity	Part # without lug	Part # without lug
	L1	45-34001-P80	45-38001-P80
	L2	45-34002-P80	45-38002-P80
	L3	45-34003-P80	45-38003-P80
	NEUTRAL	45-3400N-P80	45-3800N-P80
	GROUND	45-3400T-P80	45-3800T-P80
	POSITIVE	45-3400P-P80	45-3800P-P80
	NEGATIVE	45-3400M-P80	45-3800M-P80

IEC/CE Ratings

- **Amperage**
  400 A
  Not for Current Interrupting
- **Voltage**
  1000 VAC, 1500 VDC
- **Environmental Ratings**
  IP66/IP67
- **Temperature Range**
  Min -40°F / Max 140°F
  See pg 266 for temps below -15°F.
- **Wiring Capacity**
  Min 1/0 AWG / Max 444 MCM
  185mm² stranded
- **Applicable Standards**
  CE

IEC/CE Configurations

European Color Code	Polarity	Part # Poly	Part # Poly
Brown	L1	45-34001	45-38001
Black	L2	45-34002	45-38002
Grey	L3	45-34003	45-38003
Blue	NEUTRAL	45-3400N	45-3800N
Green	GROUND	45-3400T	45-3800T
Red	POSITIVE	45-3400P	45-3800P
Black	NEGATIVE	45-3400M	45-3800M

INSTALLATION ACCESSORIES – SIZE M

ANGLES

POLY ANGLE			
	0°	45-3A540	Required for mounting on panels, walls, etc.
	30°	45-3A027	With Adapter Plate.

ACCESSORIES

INLET CAP		
	45-3A126	

UNLOCKING TOOL		
	45-3A396	One unlocking tool on a "valet" style separable key ring is included with each male inlet.

PADLOCKING TOOL	
	45-3A843

INSTALLATION ACCESSORIES – SIZE M

CRIMPING LUGS

Internal Diameter		Straight w/terminal	Straight Threaded	WIRE CAPACITY Flexible Wiring*		Coarse Wiring	
in	mm	Part #	Part #	mm²	AWG	mm²	AWG
.43	11	**45-4A50C**	**45-4A50D**	50	1/0[1]	70	2/0
.51	13.1	**45-4A70C**	**45-4A70D**	70	2/0	95	3/0
.57	14.5	**45-4A95C**	**45-4A95D**	95	3/0	120	4/0
.64	16.2	**45-4A12C**	**45-4A12D**	120	250	150	300
.71	18	**45-4A15C**	**45-4A15D**	150	300	185	400
.81	20.6	**45-4A18C**	**45-4A18D**	185	350	240	450
.91	23.1	**45-4A24C**	**45-4A24D**	240	450	300	500

Notes: * Class H & I
[1] The ground conductor shall be limited to a maximum size of 1/0 AWG.

HANDLES

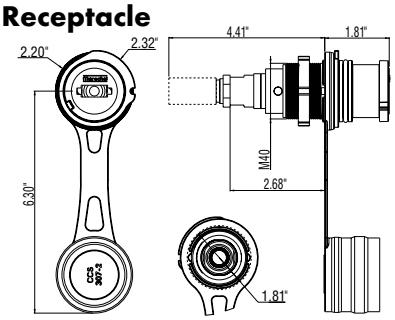
HANDLE	Cable Outside Diameter	Part #	
Not UL/CSA listed	.550 - 1.000"	**45-3A753**	Normal Duty 100 lb grip
	.700 - 1.260"	**45-3A783**	

HANDLE w/Cord Grip (Mesh)	Cable Outside Diameter	Part #	Cable Outside Diameter	Part #	
	.500 - .625"	**45-3A753-A**	.875 - 1.000"	**45-3A783-A**	Heavy-Duty 300 lb grip
	.562 - .688"	**45-3A753-B**	1.000 - 1.125"	**45-3A783-B**	
	.625 - .750"	**45-3A753-C**	1.125 - 1.250"	**45-3A783-C**	
	.688 - .812"	**45-3A753-D**	1.250 - 1.375"	**45-3A783-D**	
	.750 - .875"	**45-3A753-E**			

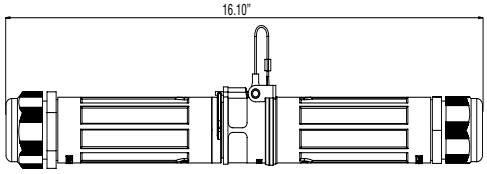
Dimensions Inlet/Receptacle – Provided in inches

Dimensions are for reference only and may change depending on accessories used. For precise dimensions contact MELTRIC Engineering.

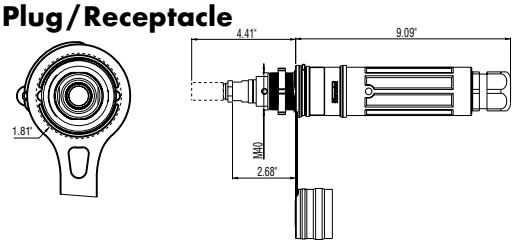
Receptacle



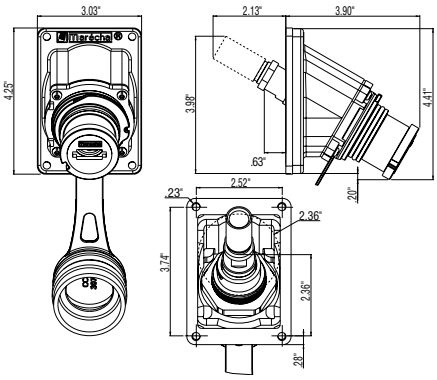
Inline Connector



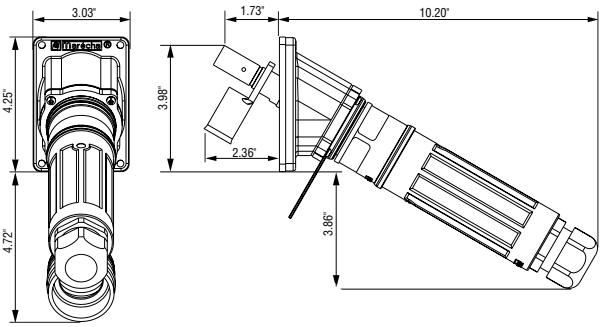
Plug/Receptacle



30° Inclined Receptacle/Angle



30° Receptacle/Angle with Plug



HIGH AMPACITY

POWER DISTRIBUTION

MELTRIC manufactures a wide variety of specialty products to fit specific application needs and to help users benefit from the advantages of MELTRIC Switch-Rated plugs and receptacles wherever connections may need to be made and broken.

CUSTOM P. 145

WIDE VARIETY OF PLATFORMS AND FEATURES

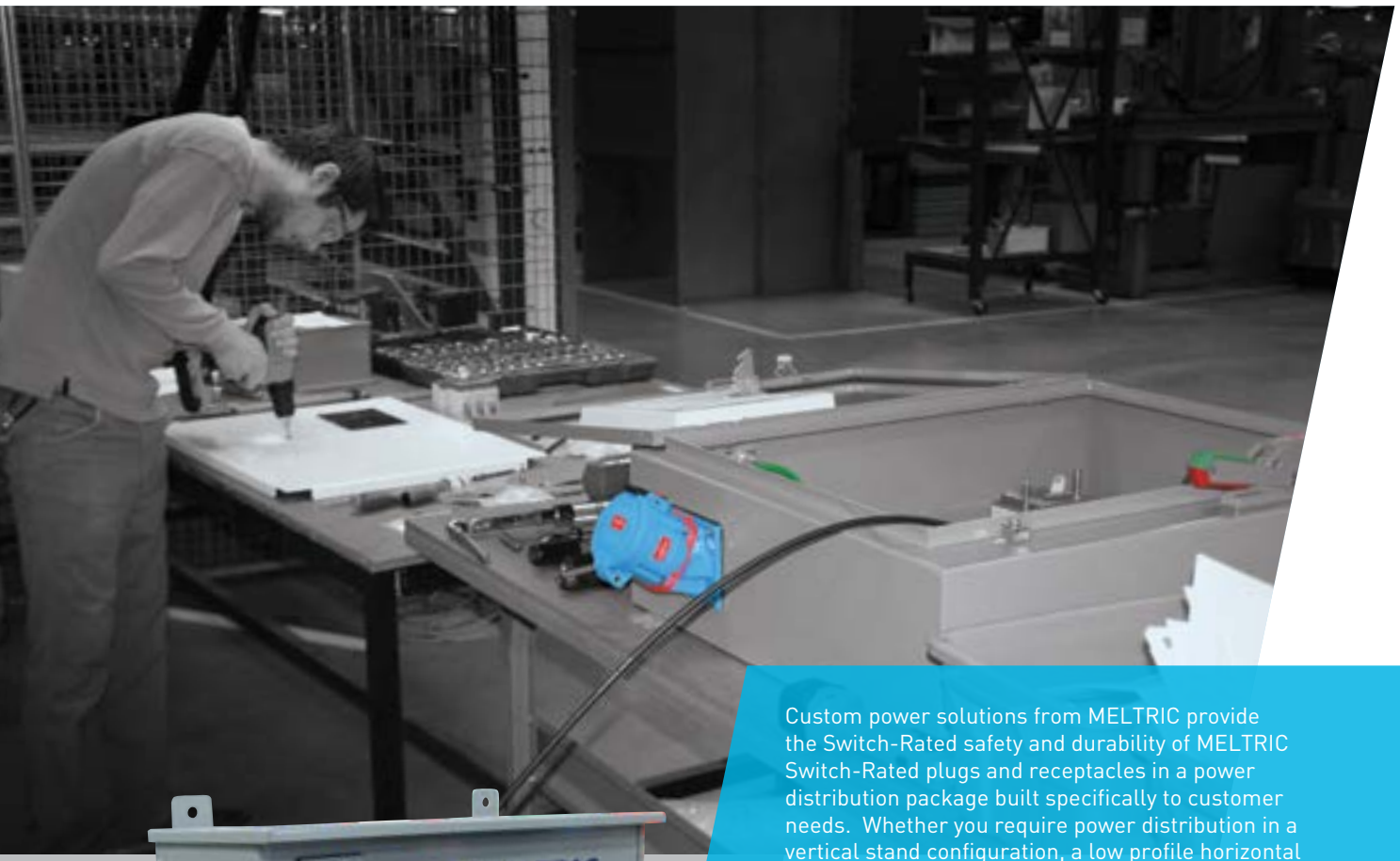
- Custom engineered
- Featuring Switch-Rated plugs and receptacles

RUBBER BOX P. 147

PORTABLE RUBBER BOX PLATFORM

- Standard or custom configurations
- One, two, or three tier rubber boxes
- Featuring Switch-Rated plugs and receptacles

CUSTOM
Power Distribution



Custom power solutions from MELTRIC provide the Switch-Rated safety and durability of MELTRIC Switch-Rated plugs and receptacles in a power distribution package built specifically to customer needs. Whether you require power distribution in a vertical stand configuration, a low profile horizontal configuration, a custom configuration, or as a cordset, MELTRIC's engineering team can build a package to meet your needs.

Available Features

- Ground Leakage Protection
- Color-Coded Enclosures
- Phase Indication
- Stainless Steel Enclosures
- 120V Convenience Outlet
- Rain Hoods
- Timers
- Pilot Circuits
- Wheel Kits
- Shunt Trips
- Under Voltage Trips
- Lifting Provisions
- Power Transformers

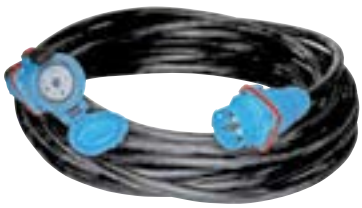
COMMON PLATFORMS

Custom Panel Solutions

Vertical Power

Horizontal Multigang

Circuit Protected Receptacles



Cable Assembly

Breaker Plate Assembly

SB Enclosures

Rubber Box

POWER DISTRIBUTION

If you don't see what you are looking for, call MELTRIC @ 800-433-7642.

Rubber Boxes Power Distribution

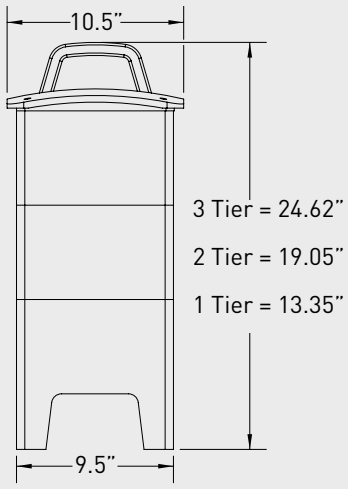
UL Type 3R Enclosures

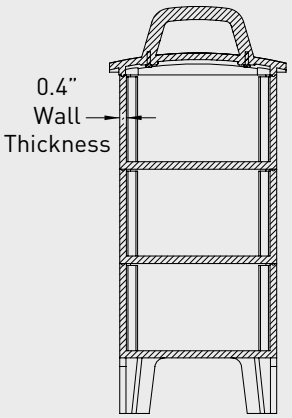
1 Tier

2 Tier

3 Tier

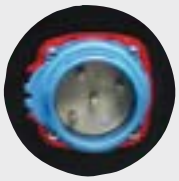
Choose from standard configurations on page 148-150 or contact MELTRIC at 800-433-7642 for customized configurations.





Cross-Section of Enclosure

Power Input up to 100 A, 480 VAC. Choose a mounted inlet or a cord and plug.



Mounted Inlet

Cord and Plug

Power Receptacles

Room for (2) DSN60 (or smaller) receptacles per side per tier.

Circuit Protection

Room for up to (10) poles of standard MCB's (mini circuit breakers) per tier.
Note: *All configurations use UL489 circuit breakers except 60 A at 480 VAC, which comes with UL1077 breakers.*

Convenience Outlets

Room for (2) Type 5-20R duplex receptacles per side per tier or choose other convenience outlets.

1 TIER RUBBER POWER DISTRIBUTION BOXES

Configuration T1-C1

Note: Configuration shown requires sharing of circuit protection devices.

Side 1

(2) DSN Receptacles

Side 2

(2) 3 Pole MCB's

Side 3

(2) DSN Receptacles

Side 4

(1) Inlet

Voltage	Contacts	Part #: Configuration T1-C1-20 A 20 A DSN Recepts & 30 A DSN Inlet	Part #: Configuration T1-C1-30 A 30 A DSN Recepts & 60 A DSN Inlet	Part #: Configuration T1-C1-60 A 60 A DSN Recepts & 100 A DS100C Inlet
120 208 V	3P+N+G	RBT1-C1-167-20A	RBT1-C1-167-30A	RBT1-C1-167-60A
125 250 V	3P+N+G	RBT1-C1-077-20A	RBT1-C1-077-30A	RBT1-C1-077-60A
480 V	3P+G	RBT1-C1-043-20A	RBT1-C1-043-30A	RBT1-C1-043-60A

Configuration T1-C2

Side 1

(1) DSN Receptacle

(1) 20 A Type 5-20 Duplex GFCI

Side 2

(2) 3 Pole MCB's

(2) 20 A 1 Pole MCB's

Side 3

(1) DSN Receptacle

(1) 20 A Type 5-20 Duplex GFCI

Side 4

(1) Inlet

Voltage	Contacts	Part #: Configuration T1-C2-20 A 20 A DSN Recepts & 30 A DSN Inlet	Part #: Configuration T1-C2-30 A 30 A DSN Recepts & 60 A DSN Inlet	Part #: Configuration T1-C2-60 A 60 A DSN Recepts & 100 A DS100C Inlet
120 208 V	3P+N+G	RBT1-C2-167-20A	RBT1-C2-167-30A	RBT1-C2-167-60A
125 250 V	3P+N+G	RBT1-C2-077-20A	RBT1-C2-077-30A	RBT1-C2-077-60A

Configuration T1-C3

Note: Configuration requires sharing of circuit protection devices.

Side 1

(1) DSN 30 A Receptacle

(1) DSN 20 A Receptacle

Side 2

(2) 30 A 3 Pole MCB

(1) 20 A 3 Pole MCB

Side 3

(1) DSN 30 A Receptacle

(1) DSN 20 A Receptacle

Side 4

(1) DSN 60 A Inlet

Voltage	Contacts	Part #: Configuration T1-C3 20/30 A DSN Recepts & 60 A DSN Inlet
120 208 V	3P+N+G	RBT1-C3-167
125 250 V	3P+N+G	RBT1-C3-077A
480 V	3P+G	RBT1-C3-043

* Ampacity ratings of MCB's match the receptacles they protect.

2 TIER RUBBER POWER DISTRIBUTION BOXES

Configuration T2-C1

Side 1

(1) DSN 20 A Receptacle
(1) DSN 30 A Receptacle
(1) DSN 60 A Receptacle

Side 2

(2) 20 A 3 Pole MCB's
(2) 30 A 3 Pole MCB's
(2) 60 A 3 Pole MCB's
(2) 20 A 1 Pole MCB's

Side 3

(1) DSN 20 A Receptacle
(1) DSN 30 A Receptacle
(1) DSN 60 A Receptacle

Side 4

(2) 20 A Type 5-20 Duplex GFCI
(1) DS100C 100 A Inlet

Voltage	Contacts	Part #: Configuration T2-C1 20/30/60 A DSN Recepts & 100 A DS100C Inlet
120 208 V	3P+N+G	**RBT2-C1-167**
125 250 V	3P+N+G	**RBT2-C1-077**

Configuration T2-C2

Note: Configuration shown requires sharing of circuit protection devices.

Side 1

(4) DSN Receptacles

Side 2

(4) 3 Pole MCB's
(2) 20 A 1 Pole MCB's

Side 3

(4) DSN Receptacles

Side 4

(2) 20 A Type 5-20 Duplex GFCI
(1) DS100C 100 A Inlet

Voltage	Contacts	Part #: Configuration T2-C2-20 A 20 A DSN Recepts & 100 A DS100C Inlet	Part #: Configuration T2-C2-30 A 30 A DSN Recepts & 100 A DS100C Inlet
120 208 V	3P+N+G	**RBT2-C2-167-20A**	**RBT2-C2-167-30A**
125 250 V	3P+N+G	**RBT2-C2-077-20A**	**RBT2-C2-077-30A**

* Ampacity ratings of MCB's match the receptacles they protect.

3 TIER RUBBER POWER DISTRIBUTION BOXES

Configuration T3-C1

Side 1

(1) 20 A Type 5-20 Duplex GFCI
(2) DSN 20 A Receptacles
(2) DSN 30 A Receptacles

Side 2

(6) 20 A 1 Pole MCB's
(4) 20 A 3 Pole MCB's
(4) 30 A 3 Pole MCB's

Side 3

(1) 20 A Type 5-20 Duplex GFCI
(2) DSN 20 A Receptacles
(2) DSN 30 A Receptacles

Side 4

(2) 20 A Type 5-20 Duplex GFCI
(2) 20 A Type 5-20 Duplex GFCI
(1) DS100C 100 A Inlet

Voltage	Contacts	Part #: Configuration T3-C1 20 & 30 A DSN Recepts & 100 A DS100C Inlet
120 208 V	3P+N+G	**RBT3-C1-167**
125 250 V	3P+N+G	**RBT3-C1-077**

Configuration T3-C2

Note: Configuration shown requires sharing of circuit protection devices.

Side 1

(4) DSN Receptacles
(1) DSN60 Receptacle

Side 2

(2) 3 Pole MCB's
(4) 20 A 1 Pole MCB's

Side 3

(4) DSN Receptacle
(1) DSN60 Receptacle

Side 4

(4) 20 A Type 5-20 Duplex GFCI
(1) Inlet

Voltage	Contacts	Part #: Configuration T3-C2-20 A 20 A & 60 A DSN Recepts & 100 A DS100C Inlet	Part #: Configuration T3-C2-30 A 30 A & 60 A DSN Recepts & 100 A DS100C Inlet
120 208 V	3P+N+G	**RBT3-C2-167-20A**	**RBT3-C2-167-30A**
125 250 V	3P+N+G	**RBT3-C2-077-20A**	**RBT3-C2-077-30A**

* Ampacity ratings of MCB's match the receptacles they protect.

CIRCUIT PROTECTED
Receptacles

MELTRIC manufactures a variety of specialty products that allow facilities to benefit from Switch-Rated receptacles in combination with other devices, including circuit protected receptacles, receptacles with ground leakage protection, and receptacles mounted on safety switches. Standard and custom configurations can be ordered.

CIRCUIT PROTECTION P. 153

LOCAL CIRCUIT PROTECTION

- 20 A, 30 A, of 60 A sizes
- Switch-Rated receptacles mounted and wired to circuit protection device
- Fuse holder or mini-circuit breaker options

PROTECTION PANEL P. 159

GROUND LEAKAGE PROTECTION

- 20 A - 100 A sizes - All industries
- DSN receptacles mounted and wired to Ground Leakage Protection Panel
- Detects ground leakage currents in all stages of power conversion equipment

SAFETY SWITCHES P. 161

FOR ADDED PROTECTION

- 30 A to 200 A sizes
- Heavy-duty, single throw, fusible or non-fusible safety switch
- Switch-Rated receptacles mounted and wired to disconnect switch

Receptacles & Wall Boxes

with Integral Circuit Protection

MELTRIC receptacle/wall box combinations with integral circuit protection combine the safety of a MELTRIC DSN series Switch-Rated receptacle with the convenience of local circuit protection in a compact package. The receptacle is premounted to the box and wired to the circuit protection device for easy installation.

Models are available with or without a viewing window and in either painted mild steel or stainless steel enclosures. The 20 A and 30 A models are available and equipped with fuse holders or mini-circuit breakers and the 60 A models are available with fuse holders or supplementary protectors.

Fuse holder Equipped Models

MELTRIC DSN Series Switch-Rated plugs and receptacles are UL rated to withstand and close-into short circuit currents up to 100kA in circuits protected by RK1 current limiting fuses or other fuses with lower let through energy like Class CC. This allows users to take advantage of the DSN's capabilities in applications where higher fault currents are not already protected with the required fusing.

Fuse holder models feature Ultra-Safe Fuse Holders (UL 512/IEC 269). The fuse holders have a blown fuse indicator light for each pole and pivot open for easy and finger safe fuse replacement. Fuses are not provided. They should be selected for the specific application.

Circuit Breaker Equipped Models

Circuit breaker equipped models allow users to provide overload protection in a convenient location near the application. The 20 A and 30 A models feature miniature circuit breakers (UL 489) and the 60 A models use supplementary protectors (UL 1077). All are provided standard with a 'C' trip curve. A 'D' trip curve for the 20 A and 30 A breakers, and a 'B' trip curve for the 60 A supplementary protectors are also available as options.

Trip Curve Characteristics	
"B" Curve:	The protective device will instantaneously trip @ 3X to 5X its rated current
"C" Curve:	The protective device will instantaneously trip @ 5X to 10X its rated current
"D" Curve:	The protective device will instantaneously trip @ 10X to 20X its rated current

Enclosures

The wall boxes are Hoffman Inline® series enclosures.

Dimensions:

20 A/30 A Fuse Holder/Circuit Breaker
Box exteriors = 9.84" x 7.87" x 5.91" (250mm x 200mm x 150mm).
Mounting footprint = 12.5" x 8" including the pre-installed mounting brackets.

60 A Supplementary Circuit Breaker
Box exteriors = 9.84" x 7.87" x 5.91" (250mm x 200mm x 150mm).
Mounting footprint = 12.5" x 8" including the pre-installed mounting brackets.

60 A Fuse Holder
Box exteriors = 11.81" x 9.84" x 5.91" (300mm x 250mm x 150mm).
Mounting footprint = 14.4" x 9.8" including the pre-installed mounting brackets.

Box Materials: Mild steel boxes are 16 gauge, stainless steel boxes are 14 gauge type 304. Available door windows are 3/16" clear polycarbonate.

Latch: Quarter turn slotted stainless steel design for easy operation and durability.

Finish: Mild steel boxes are painted with a light gray textured polyester powder coat. Stainless Steel boxes have a #4 brushed finish.

Environmental: Mild steel boxes are NEMA Type 4 and 12. Stainless steel boxes are NEMA Type 4, 4X and 12.

MILD STEEL BOXES with Ultra-Safe Fuse Holders

Ratings

- **Voltage**
  20 A: 600 VAC
  30 A: 600 VAC
  60 A: 600 VAC
- **Environmental Ratings**
  Overall: NEMA Type 4
  Box: NEMA Type 4, 12
  Receptacle: NEMA Type 4X
- **Temperature Range**
  Min -40°F / Max 140°F
- **Listings**
  Box: UL 508A

  Receptacle: UL 2682, UL 1682, CSA 22.2 No. 182.1, IEC 60309-1

  Fuse holder: UL 512, IEC 269

Standard Box

Box with Viewing Window

North American Configurations

Voltage	Polarity	Part # 20 A	Part # 30 A	Part # 60 A	Part # 20 A	Part # 30 A	Part # 60 A
120 V	1P+N+G	FB-63-14125-K16	FB-63-34165	FB-63-64165	FBW-63-14125-K16	FBW-63-34165	FBW-63-64165
120 208 V	3P+N+G	FB-63-14127-K16	FB-63-34167	FB-63-64167	FBW-63-14127-K16	FBW-63-34167	FBW-63-64167
125 V	1P+N+G	FB-63-14075	FB-63-34075	FB-63-64075	FBW-63-14075	FBW-63-34075	FBW-63-64075
125 250 V	2P+N+G	FB-63-14076	FB-63-34076	FB-63-64076	FBW-63-14076	FBW-63-34076	FBW-63-64076
208 V	2P+G	FB-63-14122-K16	FB-63-34162	FB-63-64162	FBW-63-14122-K16	FBW-63-34162	FBW-63-64162
208 V	3P+G	FB-63-14123-K16	FB-63-34163	FB-63-64163	FBW-63-14123-K16	FBW-63-34163	FBW-63-64163
250 V	2P+G	FB-63-14072	FB-63-34072	FB-63-64072	FBW-63-14072	FBW-63-34072	FBW-63-64072
250 V	3P+G	FB-63-14073	FB-63-34073	FB-63-64073	FBW-63-14073	FBW-63-34073	FBW-63-64073
277 V	1P+N+G	FB-63-14045	FB-63-34045	FB-63-64045	FBW-63-14045	FBW-63-34045	FBW-63-64045
277 480 V	3P+N+G	FB-63-14047	FB-63-34047	FB-63-64047	FBW-63-14047	FBW-63-34047	FBW-63-64047
347 600 V	3P+N+G	FB-63-14147	FB-63-34147	FB-63-64147	FBW-63-14147	FBW-63-34147	FBW-63-64147
480 V	2P+G	FB-63-14042	FB-63-34042	FB-63-64042	FBW-63-14042	FBW-63-34147	FBW-63-64042
480 V	3P+G	FB-63-14043	FB-63-34043	FB-63-64043	FBW-63-14043	FBW-63-34042	FBW-63-64043
600 V	2P+G	FB-63-14142	FB-63-34142	FB-63-64142	FBW-63-14142	FBW-63-34043	FBW-63-64142
600 V	3P+G	FB-63-14143	FB-63-34143	FB-63-64143	FBW-63-14143	FBW-63-34142	FBW-63-64143

Main Options

Auxiliary/Pilot Contacts

Mushroom Pawl

Padlock Pawl

Closed Lid Configuration
Recommended for cord applications to keep lid tucked in to avoid damage.

See pages 243-252 for detailed information on these options

Receptacle Options	Suffix #
With 2 Auxiliary/Pilot Contacts	**Recept # - 972**
Mushroom Pawl	**Recept # - 375**
Padlock Pawl	**Recept # - 843**
Closed Lid Configuration	**Recept # - NC**

30 A, 600 V Ultra-Safe Fuse Holders for Class CC fuses are standard. They include a blown fuse indicator for each pole. Fuses are not included.

SS BOXES with Ultra-Safe Fuse Holders

Standard Box

Box with Viewing Window

North American Configurations

Voltage	Polarity	Part # 20 A	Part # 30 A	Part # 60 A	Part # 20 A	Part # 30 A	Part # 60 A
120 V	1P+N+G	FBSS-63-14125-K16	FBSS-63-34165	FBSS-63-64165	FBWSS-63-14125-K16	FBWSS-63-34165	FBWSS-63-64165
120 208 V	3P+N+G	FBSS-63-14127-K16	FBSS-63-34167	FBSS-63-64167	FBWSS-63-14127-K16	FBWSS-63-34167	FBWSS-63-64167
125 V	1P+N+G	FBSS-63-14075	FBSS-63-34075	FBSS-63-64075	FBWSS-63-14075	FBWSS-63-34075	FBWSS-63-64075
125 250 V	2P+N+G	FBSS-63-14076	FBSS-63-34076	FBSS-63-64076	FBWSS-63-14076	FBWSS-63-34076	FBWSS-63-64076
208 V	2P+G	FBSS-63-14122-K16	FBSS-63-34162	FBSS-63-64162	FBWSS-63-14122-K16	FBWSS-63-34162	FBWSS-63-64162
208 V	3P+G	FBSS-63-14123-K16	FBSS-63-34163	FBSS-63-64163	FBWSS-63-14123-K16	FBWSS-63-34163	FBWSS-63-64163
250 V	2P+G	FBSS-63-14072	FBSS-63-34072	FBSS-63-64072	FBWSS-63-14072	FBWSS-63-34072	FBWSS-63-64072
250 V	3P+G	FBSS-63-14073	FBSS-63-34073	FBSS-63-64073	FBWSS-63-14073	FBWSS-63-34073	FBWSS-63-64073
277 V	1P+N+G	FBSS-63-14045	FBSS-63-34045	FBSS-63-64045	FBWSS-63-14045	FBWSS-63-34045	FBWSS-63-64045
277 480 V	3P+N+G	FBSS-63-14047	FBSS-63-34047	FBSS-63-64047	FBWSS-63-14047	FBWSS-63-34047	FBWSS-63-64047
347 600 V	3P+N+G	FBSS-63-14147	FBSS-63-34147	FBSS-63-64147	FBWSS-63-14147	FBWSS-63-34147	FBWSS-63-64147
480 V	2P+G	FBSS-63-14042	FBSS-63-34042	FBSS-63-64042	FBWSS-63-14042	FBWSS-63-34042	FBWSS-63-64042
480 V	3P+G	FBSS-63-14043	FBSS-63-34043	FBSS-63-64043	FBWSS-63-14043	FBWSS-63-34043	FBWSS-63-64043
600 V	2P+G	FBSS-63-14142	FBSS-63-34142	FBSS-63-64142	FBWSS-63-14142	FBWSS-63-34142	FBWSS-63-64142
600 V	3P+G	FBSS-63-14143	FBSS-63-34143	FBSS-63-64143	FBWSS-63-14143	FBWSS-63-34143	FBWSS-63-64143

Ratings

- **Voltage**
  20 A: 600 VAC
  30 A: 600 VAC
  60 A: 600 VAC
- **Environmental Ratings**
  Overall: NEMA Type 4
  Box: NEMA Type 4X, 12
  Receptacle: NEMA Type 4X
- **Temperature Range**
  Min -40°F / Max 140°F
- **Listings**
  Box: UL 508A
  Receptacle: UL 2682, UL 1682, CSA 22.2 No. 182.1, IEC 60309-1
  Fuse holder: UL 512, IEC 269

Receptacle Options	Suffix #
With 2 Auxiliary/Pilot Contacts	**Recept # - 972**
Mushroom Pawl	**Recept # - 375**
Padlock Pawl	**Recept # - 843**
Closed Lid Configuration	**Recept # - NC**

30 A, 600V Ultra-Safe Fuse Holders for Class CC fuses are standard. They include a blown fuse indicator for each pole. Fuses are not included.

Main Options

Auxiliary/Pilot Contacts

Mushroom Pawl

Padlock Pawl

Closed Lid Configuration
Recommended for cord applications to keep lid tucked in to avoid damage.

See pages 243-252 for detailed information on these options

MILD STEEL BOXES with Circuit Breakers

Ratings

- **Voltage**
  20 A: 480 VAC
  30 A: 480 VAC
  60 A: 480 VAC
- **Environmental Ratings**
  Overall: NEMA Type 4
  Box: NEMA Type 4, 12
  Receptacle: NEMA Type 4X
- **Temperature Range**
  Min -40°F / Max 140°F for 20 A & 30 A
  Min 23°F / Max 104°F for 60 A
- **Listings**
  Box: UL 508A
  Receptacle: UL 2682, UL 1682, CSA 22.2 No. 182.1, IEC 60309-1
  Breaker: UL 489 for 20 A & 30 A, UL 1077 for 60 A

Standard Box

Box with Viewing Window

! Don't forget to add installation accessories to your order

North American Configurations

Voltage	Polarity	Part # 20 A	Part # 30 A	Part # 60 A	Part # 20 A	Part # 30 A	Part # 60 A
120 V	1P+N+G	CB-63-14125-K16	CB-63-34165	CB-63-64165	CBW-63-14125-K16	CBW-63-34165	CBW-63-64165
120 208 V	3P+N+G	CB-63-14127-K16	CB-63-34167	CB-63-64167	CBW-63-14127-K16	CBW-63-34167	CBW-63-64167
125 V	1P+N+G	CB-63-14075	CB-63-34075	CB-63-64075	CBW-63-14075	CBW-63-34075	CBW-63-64075
125 250 V	2P+N+G	CB-63-14076	CB-63-34076	CB-63-64075	CBW-63-14076	CBW-63-34076	CBW-63-64076
208 V	2P+G	CB-63-14122-K16	CB-63-34162	CB-63-64076	CBW-63-14122-K16	CBW-63-34162	CBW-63-64162
208 V	3P+G	CB-63-14123-K16	CB-63-34163	CB-63-64162	CBW-63-14123-K16	CBW-63-34163	CBW-63-64163
250 V	2P+G	CB-63-14072	CB-63-34072	CB-63-64163	CBW-63-14072	CBW-63-34072	CBW-63-64072
250 V	3P+G	CB-63-14073	CB-63-34073	CB-63-64072	CBW-63-14073	CBW-63-34073	CBW-63-64073
277 V	1P+N+G	CB-63-14045	CB-63-34045	CB-63-64073	CBW-63-14045	CBW-63-34045	CBW-63-64045
277 480 V	3P+N+G	CB-63-14047	CB-63-34047	CB-63-64045	CBW-63-14047	CBW-63-34047	CBW-63-64047
480 V	2P+G	CB-63-14042	CB-63-34042	CB-63-64047	CBW-63-14042	CBW-63-34042	CBW-63-64042
480 V	3P+G	CB-63-14043	CB-63-34043	CB-63-64042	CBW-63-14043	CBW-63-34043	CBW-63-64043

Main Options

Auxiliary/Pilot Contacts

Mushroom Pawl

Padlock Pawl

Closed Lid Configuration
Recommended for cord applications to keep lid tucked in to avoid damage.

! See pages 243-252 for detailed information on these options

Receptacle Options	Suffix #	Circuit Protection Options	Part #
With 2 Auxiliary/Pilot Contacts (30/60 A only)	**Recept # - 972**	"D" Trip Curve (20/30 A only)	Part # - D
With 3 Auxiliary/Pilot Contacts (60 A only)	**Recept # - 973**	"B" Trip Curve (60 A only)	Part # - B
With 4 Auxiliary/Pilot Contacts (60 A only)	**Recept # - 974**	Standard circuit protectors include a "C" trip curve	
Mushroom Pawl	**Recept # - 375**		
Padlock Pawl	**Recept # - 843**		
Closed Lid Configuration	**Recept # - NC**		

STAINLESS STEEL BOXES with Circuit Breakers

Standard Box

Box with Viewing Window

North American Configurations

Voltage	Polarity	Part # 20 A	Part # 30 A	Part # 60 A	Part # 20 A	Part # 30 A	Part # 60 A
120 V	1P+N+G	CBSS-63-14125-K16	CBSS-63-34165	CBSS-63-64165	CBWSS-63-14125-K16	CBWSS-63-34165	CBWSS-63-64165
120 208 V	3P+N+G	CBSS-63-14127-K16	CBSS-63-34167	CBSS-63-64167	CBWSS-63-14127-K16	CBWSS-63-34167	CBWSS-63-64167
125 V	1P+N+G	CBSS-63-14075	CBSS-63-34075	CBSS-63-64075	CBWSS-63-14075	CBWSS-63-34075	CBWSS-63-64075
125 250 V	2P+N+G	CBSS-63-14076	CBSS-63-34076	CBSS-63-64076	CBWSS-63-14076	CBWSS-63-34076	CBWSS-63-64076
208 V	2P+G	CBSS-63-14122-K16	CBSS-63-34162	CBSS-63-64162	CBWSS-63-14122-K16	CBWSS-63-34162	CBWSS-63-64162
208 V	3P+G	CBSS-63-14123-K16	CBSS-63-34163	CBSS-63-64163	CBWSS-63-14123-K16	CBWSS-63-34163	CBWSS-63-64163
250 V	2P+G	CBSS-63-14072	CBSS-63-34072	CBSS-63-64072	CBWSS-63-14072	CBWSS-63-34072	CBWSS-63-64072
250 V	3P+G	CBSS-63-14073	CBSS-63-34073	CBSS-63-64073	CBWSS-63-14073	CBWSS-63-34073	CBWSS-63-64073
277 V	1P+N+G	CBSS-63-14045	CBSS-63-34045	CBSS-63-64045	CBWSS-63-14045	CBWSS-63-34045	CBWSS-63-64045
277 480 V	3P+N+G	CBSS-63-14047	CBSS-63-34047	CBSS-63-64047	CBWSS-63-14047	CBWSS-63-34047	CBWSS-63-64047
480 V	2P+G	CBSS-63-14042	CBSS-63-34042	CBSS-63-64042	CBWSS-63-14042	CBWSS-63-34042	CBWSS-63-64042
480 V	3P+G	CBSS-63-14043	CBSS-63-34043	CBSS-63-64043	CBWSS-63-14043	CBWSS-63-34043	CBWSS-63-64043

Ratings

- **Voltage**
  20 A: 480 VAC
  30 A: 480 VAC
  60 A: 480 VAC
- **Environmental Ratings**
  Overall: NEMA Type 4X
  Box: NEMA Type 4X, 12
  Receptacle: NEMA Type 4X
- **Temperature Range**
  Min -40°F/Max 140°F for 20 A & 30 A
  Min 23°F/Max 104°F for 60 A
- **Listings**
  Box: UL 508A
  Receptacle: UL 2682, UL 1682, CSA 22.2 No. 182.1, IEC 60309-1
  Breaker: UL 489 for 20 A & 30 A, UL 1077 for 60 A

Receptacle Options	Suffix #	Circuit Protection Options	Part #
With 2 Auxiliary/Pilot Contacts (30/60 A only)	**Recept # - 972**	"D" Trip Curve (20/30 A only)	Part # - D
With 3 Auxiliary/Pilot Contacts (60 A only)	**Recept # - 973**	"B" Trip Curve (60 A only)	Part # - B
With 4 Auxiliary/Pilot Contacts (60 A only)	**Recept # - 974**	Standard circuit protectors include a "C" trip curve	
Mushroom Pawl	**Recept # - 375**		
Padlock Pawl	**Recept # - 843**		
Closed Lid Configuration	**Recept # - NC**		

Main Options

Auxiliary/Pilot Contacts

Mushroom Pawl

Padlock Pawl

Closed Lid Configuration
Recommended for cord applications to keep lid tucked in to avoid damage.

See pages 243-252 for detailed information on these options

Receptacle/Ground Leakage Panel Combination

MELTRIC Switch-Rated receptacles pre-mounted on UL 508A Ground Leakage Panels provide safe electrical connections while the panel detects ground leakage currents in all stages of power conversion equipment. The receptacle/ground leakage panel combinations are simple to install and require a minimal amount of connections. Standard configurations are available from 20 A to 100 A and up to 600 VAC.

Adjustable to protect against nuisance tripping

- For grounded and high-resistance grounded systems
- Voltage options up to 600 VAC
- Adjustable trip level (10-500 mA)
- ON and Trip indication
- Test and Reset pushbuttons
- Optional Emergency Stop Button

Ground Leakage Panel/Receptacle Combinations

Voltage	Polarity	Part #			
		20 A	30 A	60 A	100 A
120 V	1P+N+G	63-17125-K16-LG8	63-37165-LG8	63-67165-LG8	63-87165-LG8
208 V	3P+G	63-17123-K16-LG8	63-37163-LG8	63-67163-LG8	63-87163-LG8
250 V	3P+G	63-17073-LG8	63-37073-LG8	63-67073-LG8	63-87073-LG8
480 V	3P+G	63-17043-LG8	63-37043-LG8	63-67043-LG8	63-87043-LG8
600 V	3P+G	63-17143-LG8	63-37143-LG8	63-67143-LG8	63-87143-LG8

Ratings/Listings

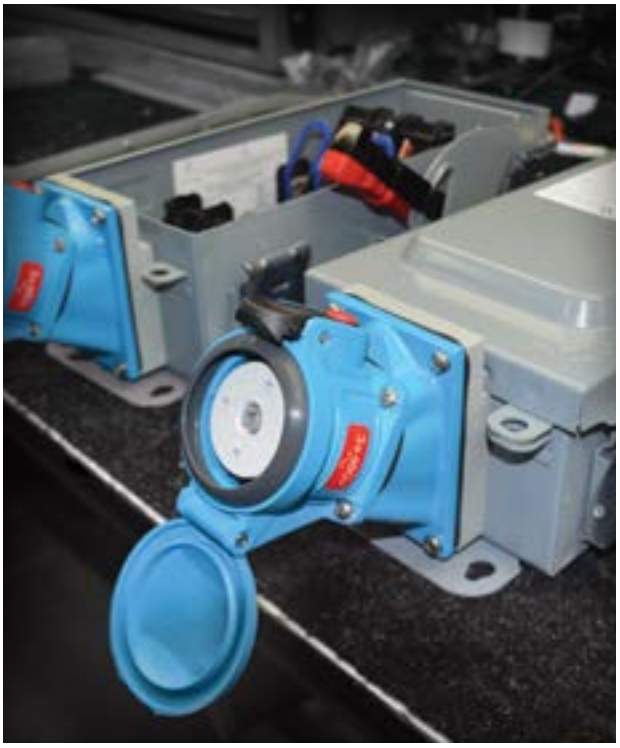
Environmental	Type 4X
Ground Leakage Protection	Protection from 10 - 500 mA, Field Adjustable UL 508A listed panel

ORDERING INFORMATION FOR OPTIONAL CONFIGURATIONS

To order optional stainless steel, change suffix **"-LG8"** to **"-LG9"**.	**Example: 120 VAC (1P+N+G) = 63-17165-LG9**

Disconnects

Safety Switch/Receptacle Combinations



MELTRIC non-interlocked safety switch disconnects are intended for use in power supply applications where additional over current and short circuit protection is desired. Since MELTRIC Switch-Rated Series products are UL and CSA Switch-Rated, there is no need for the receptacle to be interlocked to the switch. The load may be safely made or broken by throwing the switch lever or by simply connecting or disconnecting the plug.

The standard MELTRIC Safety Switch Disconnect consists of a DS Series receptacle and angle mounted and wired to a heavy-duty, single throw, fusible safety switch. They can optionally be provided with DSN series, straight mounting adapters, non-fused switches, or with circuit breaker protection.

Options:
DSN Receptacle (DS is standard)
Straight Adapter (Angle is standard)
Non-Fused (Fused is standard)
Viewing Window
Reverse Service
Canadian CSA listed enclosure

RECEPTACLE/DISCONNECT COMBINATIONS

Voltage	Polarity	Part # 30 A Poly	Part # 60 A Poly	Part # 60 A Metal	Part # 100 A Poly	Part # 100 A Metal	Part # 200 A Metal
120 V	1P+N+G	33-37165-22X	33-67165-22X	37-67165-22X	33-97165-22X	37-97165-22X	37-27165-22X
120 208 V	2P+N+G	33-37166-22X	33-67166-22X	37-67166-22X	33-97166-22X	37-97166-22X	37-27166-22X
120 208 V	3P+N+G	33-37167-42X	33-67167-42X	37-67167-42X	33-97167-42X	37-97167-42X	37-27167-42X
125 250 V	2P+N+G	33-37076-22X	33-67076-22X	37-67076-22X	33-97076-22X	37-97076-22X	37-27076-22X
208 V	3P+G	33-37163-32X	33-67163-32X	37-67163-32X	33-97163-32X	37-97163-32X	37-27163-32X
208 V	2P+G	33-37162-12X	33-67162-12X	37-67162-12X	33-97162-12X	37-97162-12X	37-27162-12X
250 V	2P+G	33-37072-12X	33-67072-12X	37-67072-12X	33-97072-12X	37-97072-12X	37-27072-12X
480 V	2P+G	33-37042-12X	33-67042-12X	37-67042-12X	33-97042-12X	37-97042-12X	37-27042-12X
277 480 V	2P+N+G	33-37046-22X	33-67046-22X	37-67046-22X	33-97046-22X	37-97046-22X	37-27046-22X
277 480 V	3P+N+G	33-37047-42X	33-67047-42X	37-67047-42X	33-97047-42X	37-97047-42X	37-27047-42X
480 V	3P+G	33-37043-32X	33-67043-32X	37-67043-32X	33-97043-32X	37-97043-32X	37-27043-32X
347 600 V	2P+N+G	33-37146-22X	33-67146-22X	37-67146-22X	33-97146-22X	37-97146-22X	37-27146-22X
347 600 V	3P+N+G	33-37147-42X	33-67147-42X	37-67147-42X	33-97147-42X	37-97147-42X	37-27147-42X
600 V	3P+G	33-37143-32X	33-67143-32X	37-67143-32X	33-97143-32X	37-97143-32X	37-27143-32X
600 V	2P+G	33-37142-12X	33-67142-12X	37-67142-12X	33-97142-12X	37-97142-12X	37-27142-12X

Notes: • When ordering a Safety Switch Disconnect, replace the "X" with the appropriate number that represents the NEMA Rating of choice.

NEMA GUIDELINES

X (NUMBER)	NEMA RATING
9	Type 4X
7	Type 12
5	Type 3R
1	Type 1

ORDERING INFORMATION FOR OPTIONAL CONFIGURATIONS

DSN Receptacle	To order a DSN receptacle (30-60 A), change prefix **"33"** to **"63"**. **NOTE:** DSN Combinations are not available as Type 12.	Example: DSN 60 A Poly Receptacle 250 VAC (2P+G) Type 1 = ***63***-67072-121
Straight Adapter	To order a straight adapter, add suffix **-S** to the part number.	Example: DS 60 A Metal Receptacle 480 VAC (3P+G) Type 1 = 37-67043-321-***S***
Non-Fused	To order a non fused device, add suffix **-NF** to the part number.	Example: DS 30 A Poly Receptacle 250 VAC (2P+G) Type 3R = 33-37072-125-***NF***
Canadian	To order a CSA listed enclosure, add suffix **-CSA** to the part number. CSA enclosures are provided with viewing windows as standard.	

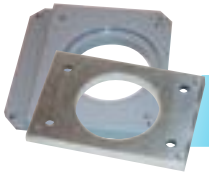
SPECIALTY PRODUCTS

MELTRIC manufactures a wide variety of specialty products to fit specific application needs and to help users benefit from the advantages of MELTRIC Switch-Rated plugs and receptacles wherever connections may need to be made and broken.

WS P. 165

WELDING CONNECTORS

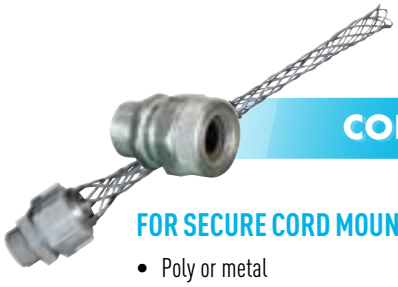
- 200 A or 300 A sizes
- 50 VAC max
- Amperage: 325 A continuous or 500 A intermittent



ADAPTER PLATES P. 166

FOR EASY RETROFITS

- Install on existing back box, disconnect switch, or mechanical interlock
- Standard or custom plates available



CORD GRIPS P. 169

FOR SECURE CORD MOUNTING

- Poly or metal
- With or without mesh
- Non-hazardous or hazardous locations

VOLTAGE METER P. 171

FOR TESTING MELTRIC RECEPTACLES

- 20 A to 200 A sizes
- Test voltage or motor rotation
- Featuring DSN and DS inlets

RETTBOX® S P. 173

ELECTROMAGNETIC SELF-EJECTION

- 20 A or 30 A
- Up to 480 VAC or 24 VDC
- Ideal for mobile charging applications

WS Welding Connectors

General Ratings

- **Voltage**
  50 VAC Max
- **Amperage**
  325 A Continuous
  500 A Intermittent

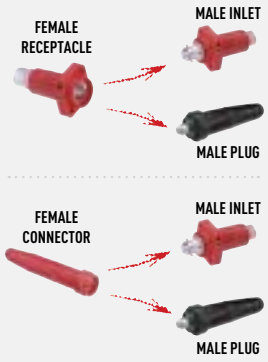
WS devices allow users to make fast and reliable connections of welding cables. Their spring-loaded silver contacts provide connections that are unaffected by cable movement or vibration and operate with a self-cleaning wiping action that ensures a reliable electrical connection every time.

The chart to the right is a guideline for wiring sizes based on duty cycles.

Wiring Hole		Current Interruption Capabilities		
(in²)	(mm²)	30% Duty	60% Duty	100% Duty
.025	16	150 A	100 A	75 A
.047	30	200 A	125 A	100 A
.062	40	250 A	150 A	125 A
.078	50	300 A	200 A	150 A
.109	70	350 A	250 A	200 A
.147	95	400 A	300 A	250 A
.186	120	450 A	350 A	275 A
.233	150	500 A	450 A	325 A

Application Note

Interchangeability



Receptacle
Lug Type Connection (female)

Wiring Hole		Type 2	Type 3
(in²)	(mm²)	200 A	300 A
.025	16	4-2401-A	
.047	30	4-2401-B	
.062	40	4-2401-C	
.078	50	4-2401-D	4-3401-E
.109	70		4-3401-F
.147	95		4-3401-G

Inlet
Lug Type Connection (male)

Wiring Hole		Type 2	Type 3
(in²)	(mm²)	200 A	300 A
.025	16	4-2901-A	
.047	30	4-2901-B	
.062	40	4-2901-C	
.078	50	4-2901-D	4-3901-E
.109	70		4-3901-F
.147	95		4-3901-G

Connector
Crimp/Solder Connection (female)

Wiring Hole		Type 2	Type 3
(in²)	(mm²)	200 A	300 A
.025	16	4-2301-A	
.047	30	4-2301-B	
.062	40	4-2301-C	
.078	50	4-2301-D	4-3301-E
.109	70		4-3301-F
.147	95		4-3301-G

Plug
Crimp/Solder Connection (male)

Wiring Hole		Type 2	Type 3
(in²)	(mm²)	200 A	300 A
.025	16	4-0201-A	
.047	30	4-0201-B	
.062	40	4-0201-C	
.078	50	4-0201-D	4-0301-E
.109	70		4-0301-F
.147	95		4-0301-G

Adapter Plates

Updating your facility with MELTRIC plugs and receptacles is simple and affordable with MELTRIC adapter plates. They allow the mounting of MELTRIC devices to existing boxes previously used for competitive devices. This avoids the cost and hassle of installing new boxes and performing associated re-piping and rewiring. If an adapter plate for the box you have is not listed, contact Customer Service and MELTRIC will design a new one to fit your application.

Install MELTRIC on virtually any existing back box

No need to bend conduit or pull wires.

MELTRIC Adapter Plates

Available for hundreds of competitive wall boxes, disconnect switches and mechanical interlocks.

MELTRIC Receptacle

MELTRIC Part #	MELTRIC Devices	Description	Part Numbers Adapted to:	
			Appleton	Crouse-Hinds
CHARE36	DS30/DSN60 Recp/Inlet	*Appleton and Crouse-Hinds*	AEE36	ARE36
	DS(N)37 Recp/Inlet		AEE46	ARE46
			AEE56	ARE56
			AERH36	ARRH36
			AERH46	ARRH46
			AERH56	ARRH56
			AERC36	ARRC36
			AERC46	ARRC46
			AERC56	ARRC56
			AERA36	ARD36
			AERA46	ARD46
			AERA56	ARD56
			AJA310	ARJ36
			AJA410	ARJ46
			AJA510	ARJ56
			AJA610	ARJG36
			AJ100	ARJG46
				ARJG56
				AR60
				AR610
				AJ37
				AJ47
				AJ57
				AJ67

ADAPTER PLATES

MELTRIC Part #	MELTRIC Devices	Description	Part Numbers Adapted to:	
			Appleton Crouse-Hinds	
CHARE56	DS60 Recp/Inlet	*Appleton and Crouse-Hinds*		AJA6
	DS100c Recp/Inlet		AEE36	ARE36
			AEE46	ARE46
			AEE56	ARE56
			AERH36	ARRH36
			AERH46	ARRH46
			AERH56	ARRH56
			AERC36	ARRC36
			AERC46	ARRC46
			AERC56	ARRC56
			AERA36	ARD36
			AERA46	ARD46
			AERA56	ARD56
			AJA310	ARJ36
			AJA410	ARJ46
			AJA510	ARJ56
			AJA610	ARJG36
			AJ100	ARJG46
				ARJG56
				AR60
				AR610
				AJ37
				AJ47
				AJ57
			Appleton Crouse-Hinds	
CHARE56	DS60 Recp/Inlet	*Appleton and Crouse-Hinds*		AJ67
	DS100C Recp/Inlet			AJA6
			Appleton Crouse-Hinds	
AJA100	DS100 Recp/Inlet	*Appleton and Crouse-Hinds*	AJA310	AR610
			AJA410	AJ37
			AJA510	AJ47
			AJA610	AJ57
			AJ100	AJ67
				AJC37
				AJC47
				AJC57
				AJC67
			Appleton Crouse-Hinds	
CHARE23	DS20/DSN30 Recp/Inlet		AEE13	ARE13
	DS(N)24 Recp/Inlet		AEE23	ARE23
			AEE33	ARE33
			AERH13	ARRC13
			AERH23	ARRC23
			AERH33	ARRC33
			AERC13	ARRH13
			AERC23	ARRH23
			AERC33	ARRH33
			AERA13	ARD13
			AERA23	ARD23
			AERA33	ARD33
				AR30

MELTRIC Part #	MELTRIC Devices	Description	Part Numbers Adapted to:	
			Appleton Crouse-Hinds	
CHARE23	DS20/DSN30 Recp/Inlet			ARJ13
	DS(N)24 Recp/Inlet			ARJ23
				ARJ33
				ARJG13
				ARJG23
				ARJG23
CHARE33	DS30/DSN60 Recp/Inlet	*Appleton and Crouse-Hinds*	AEE13	ARE13
	DS(N)37 Recp/Inlet		AEE23	ARE23
			AEE33	ARE33
			AERH13	ARRC13
			AERH23	ARRC23
			AERH33	ARRC33
			AERC13	ARRH13
			AERC23	ARRH23
			AERC33	ARRH33
			AERA13	ARD13
			AERA23	ARD23
			AERA33	ARD33
				AR30
				ARJ13
				ARJ23
				ARJ33
				ARJG13
				ARJG23
				ARJG33
			HUBBELL	
HHBB201W	DS1/DSN3 Recp/Inlet	*Hubbell /20/30 A Boxes*	BB301W	
			FT202W	
			FT302W	
			HUBBELL	
HBL26401	DS30/DSN60 Recp/Inlet	*Hubbell/60/100 A Boxes*	26401	
		60/100 A Boxes	BB601W	
			BB602W	
			BB1001W	
HBL26401	DS30/DSN60 Recp/Inlet	*Hubbell/60/100 A Boxes*	JAA6-BB1002W	
		60/100 A Boxes	FW60100	
HBL26401A	DS3/DSN6 Angle Adapter	*Hubbell/60/100 A Boxes*	26401	
			HUBBELL	
AP-CHAJA1-DS200	DS200 Receptacle	*Hubbell 200 A Boxes*	4200	
HHB26401	DS60 Adapters	*Hubbell/60/100 A Boxes*	26401	
AP-RAC04X4-FS	791M3FS	*4"x4" sheet metal boxes*		
	792M3FS			
	793M3FS			

Cord Grips

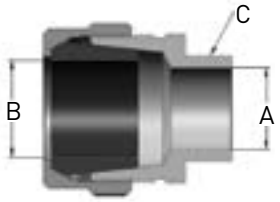
Aluminum Cord Grips
w/Metal Mesh (optional)

Handle NPT (C)	Cable Range (B)	Part # Aluminum Cord Grip	Part # Aluminum Cord Grip w/Mesh
1/2"	.312 - .375"	CG121A	CG121AM
1/2"	.375 - .438"	CG122A	CG122AM
1/2"	.438 - .500"	CG123A	CG123AM
1/2"	.500 - .562"	CG124A	CG124AM
1/2"	.562 - .625"	CG125A	CG125AM
3/4"	.438 - .500"	CG340A	CG340AM
3/4"	.500 - .562"	CG341A	CG341AM
3/4"	.562 - .625"	CG342A	CG342AM
3/4"	.625 - .750"	CG344A	CG344AM
3/4"	.688 - .812"	CG345A	CG345AM
1"	.750 - .875"	CG1001A	CG1001AM
1"	.812 - .938"	CG1002A	CG1002AM
1"	.875 - 1.000"	CG1003A	CG1003AM
1 1/4"	.875 - 1.000"	CG1141A	CG1141AM
1 1/4"	1.000 - 1.125"	CG1142A	CG1142AM
1 1/4"	1.125 - 1.250"	CG1143A	CG1143AM
1 1/4"	1.250 - 1.375"	CG1144A*	CG1144AM*

Handle NPT (C)	Cable Range (B)	Part # Aluminum Cord Grip	Part # Aluminum Cord Grip w/Mesh
1 1/2"	1.250 - 1.375"	CG1121A	CG1121AM
1 1/2"	1.438 - 1.562"	CG1122A	CG1122AM
1 1/2"	1.562 - 1.688"	CG1123A*	CG1123AM*
1 1/2"	1.688 - 1.812"	CG1124A*	CG1124AM*
2"	1.688 - 1.812"	CG2001A	CG2001AM
2"	1.812 - 1.938"	CG2002A*	CG2002AM*
2"	1.938 - 2.062"	CG2003A*	CG2003AM*
2"	2.062 - 2.188"	CG2004A*	CG2004AM*
2"	2.188 - 2.312"	CG2005A*	CG2005AM*
2"	2.312 - 2.438"	CG2006A*	CG2006AM*
2 1/2"	1.938 - 2.062"	CG2120A	CG2120AM
2 1/2"	2.062 - 2.188"	CG2121A	CG2121AM
2 1/2"	2.188 - 2.312"	CG2122A	CG2122AM
2 1/2"	2.312 - 2.438"	CG2123A*	CG2123AM*
3"	2.437 - 2.625"	CG3001A	CG3001AM
3"	2.625 - 2.812"	CG3002A	CG3002AM

Poly Cord Grips

Handle NPT (C)	Cable Range (B)	Part # Poly Cord Grip
1/2"	.350 - .520"	CG127P
3/4"	.520 - .680"	CG347P
1"	.680 - .980"	CG1006P
1 1/4"	.980 - 1.260"	CG1145P
1 1/4"	1.270 - 1.470"	CG1143P*
1 1/2"	1.260 - 1.560"	CG1125P
2"	1.190 - 1.530"	CG2001P
2"	1.520 - 1.860"	CG2002P
2"	1.850 - 2.190"	CG2003P*

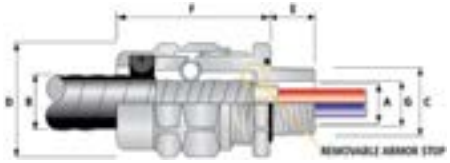


Cord Grip

Notes: * Cable may have to be stripped to pass through the bore of the cord grip body (A).

Metal Cord Grips for Hazardous Locations

For use with Class I/II Division 2
Class 1 Zone 1
Zone 21



TMC2 Hazardous (Classified) Location Cord Grips for use with Corrugated & Interlocked Metal Clad Armor (MC) or TECK90, Continuously Welded Metal Clad Armor (MCHL), ACIC-HL, ACWU90-HL, RC90-HL, RA90-HL with an overall jacket of polymeric material.

Part # Cord Grip	Material	Entry Thread "C"	Minimum Thread Length "E"	Cable Armor Diameter "A"				Cable Jacket Diameter "B"		Thru Bore "G"	Across Flats "D"	Across Corners "D"	Nominal Assembly Length "F"
				Armor Stop In		Armor Stop Out							
				Min	Max	Min	Max	Min	Max	Max	Max	Max	
TMC2-050NB075	Nickel Plated Brass	½"	0.78"	0.42"	0.55"	0.55"	0.63"	0.50"	0.75"	0.51"	1.20"	1.32"	2.44"
TMC2-050NB099	Nickel Plated Brass	½"	0.78"	0.60"	0.65"	0.65"	0.89"	0.69"	0.99"	0.61"	1.48"	1.63"	2.96"
TMC2-075NB118	Nickel Plated Brass	¾"	0.80"	0.79"	0.86"	0.86"	1.10"	0.87"	1.18"	0.82"	1.81"	1.99"	3.15"
TMC2-100NB137	Nickel Plated Brass	1"	0.98"	0.94"	1.08"	1.08"	1.28"	1.02"	1.37"	1.04"	2.05"	2.26"	3.55"

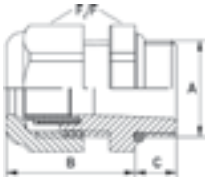
For use with Class I/II Division 2
Class 1 Zone 1
Zone 21

TC Hazardous (Classified) Location Cord Grips for use with all types of Unarmored Tray Cables, Extra Hard Usage Flexible Cables & Cord.

Part # Cord Grip	Material	Entry Thread "C"	Minimum Thread Length "E"	Cable Range "A"		Cable Range "A"		Across Flats "D"	Across Corners "D"	Nominal Assembly Length "F"
				Insert		No Insert				
				Min	Max	Min	Max	Max	Max	
TC-050NB028	Nickel Plated Brass	½"	0.78"	0.126"	0.276"	N/A	N/A	1.201"	1.321"	1.200"
TC-050NB055	Nickel Plated Brass	½"	0.78"	0.256"	0.406"	0.406"	0.551"	1.201"	1.323"	1.200"
TC-075NB079	Nickel Plated Brass	¾"	0.80"	0.437"	0.610"	0.610"	0.787"	1.476"	1.626"	1.200"
TC-100NB104	Nickel Plated Brass	1"	0.98"	0.669"	0.854"	0.854"	1.035"	1.811"	1.992"	1.650"

Fiber Reinforced Poly Cord Grips for Hazardous Locations

For use with Class I/II Division 2
Class 1 Zone 1
Zone 21



Part # Cord Grip	Cable Range	Thread Type & Size	Dimensions (inches)			
			Clearance Hole	Body Length	Thread Length	Wrench Flats
			"A"	"B"	"C"	"F_1/F"
CD13NA-BXA	.24 - .47"	½"	0.83"	1.06"	.51"	.95"
CD16NA-BXA	.39 - .55"	½"	0.83"	1.10"	.51"	1.06"
CD21NA-BXA	.51 - .71"	¾"	1.05"	1.22"	.55"	1.29"
CD21NR-BXA	.35 - .63"					
CD29NA-BXA	.71 - .98"	1"	1.35"	1.53"	.75"	1.65"
CD29NR-BXA	.51 - .79"					

VOLTAGE/PHASE ROTATION
Meter Assemblies

Voltage/Phase Rotation Meters offer customers an easy means of testing MELTRIC receptacles for voltage as well as motor rotation. The product consists of an inlet and handle wired to the meter.

Order Example

The plug with voltage rotation meter assembly should be ordered to match the receptacles to be tested.

Existing 63-64043 receptacle

Matching plug with voltage phase rotation meter assembly 63-61043-MTR

Switch-Rated Inlet and Voltage/Phase Rotation Meter Assemblies
DSN Series

Voltage	Polarity	Part # DSN20	DSN30	DSN60	DSN100	DSN150
120 V	1P+N+G	63-11125-K16-MTR	63-31165-MTR	63-61165-MTR	63-81165-MTR	63-91165-MTR
120 208 V	3P+N+G	63-11127-K16-MTR	63-31167-MTR	63-61167-MTR	63-81167-MTR	63-91167-MTR
125 V	1P+N+G	63-11075-MTR	63-31075-MTR	63-61075-MTR	63-81075-MTR	63-91075-MTR
125 250 V	2P+N+G	63-11076-MTR	63-31076-MTR	63-61076-MTR	63-81076-MTR	63-91076-MTR
208 V	2P+G	63-11122-K16-MTR	63-31162-MTR	63-61162-MTR	63-81162-MTR	63-91162-MTR
208 V	3P+G	63-11123-K16-MTR	63-31163-MTR	63-61163-MTR	63-81163-MTR	63-91163-MTR
250 V	2P+G	63-11072-MTR	63-31072-MTR	63-61072-MTR	63-81072-MTR	63-91072-MTR
250 V	3P+G	63-11073-MTR	63-31073-MTR	63-61073-MTR	63-81073-MTR	63-91073-MTR
277 V	1P+N+G	63-11045-MTR	63-31045-MTR	63-61045-MTR	63-81045-MTR	63-91045-MTR
277 480 V	3P+N+G	63-11047-MTR	63-31047-MTR	63-61047-MTR	63-81047-MTR	63-91047-MTR
347 600 V	3P+N+G	63-11147-MTR	63-31147-MTR	63-61147-MTR	63-81147-MTR	63-91147-MTR
480 V	2P+G	63-11042-MTR	63-31042-MTR	63-61042-MTR	63-81042-MTR	63-91042-MTR
480 V	3P+G	63-11043-MTR	63-31043-MTR	63-61043-MTR	63-81043-MTR	63-91043-MTR
600 V	2P+G	63-11142-MTR	63-31142-MTR	63-61142-MTR	63-81142-MTR	63-91142-MTR
600 V	3P+G	63-11143-MTR	63-31143-MTR	63-61143-MTR	63-81143-MTR	63-91143-MTR

Notes: • Only the voltage indication function will work for single phase devices. The rotation of the motor cannot be determined because only one phase is in use. Contact Customer Service for price and availability of inlet and rotation meter assemblies not published here.

PHASE ROTATION METER

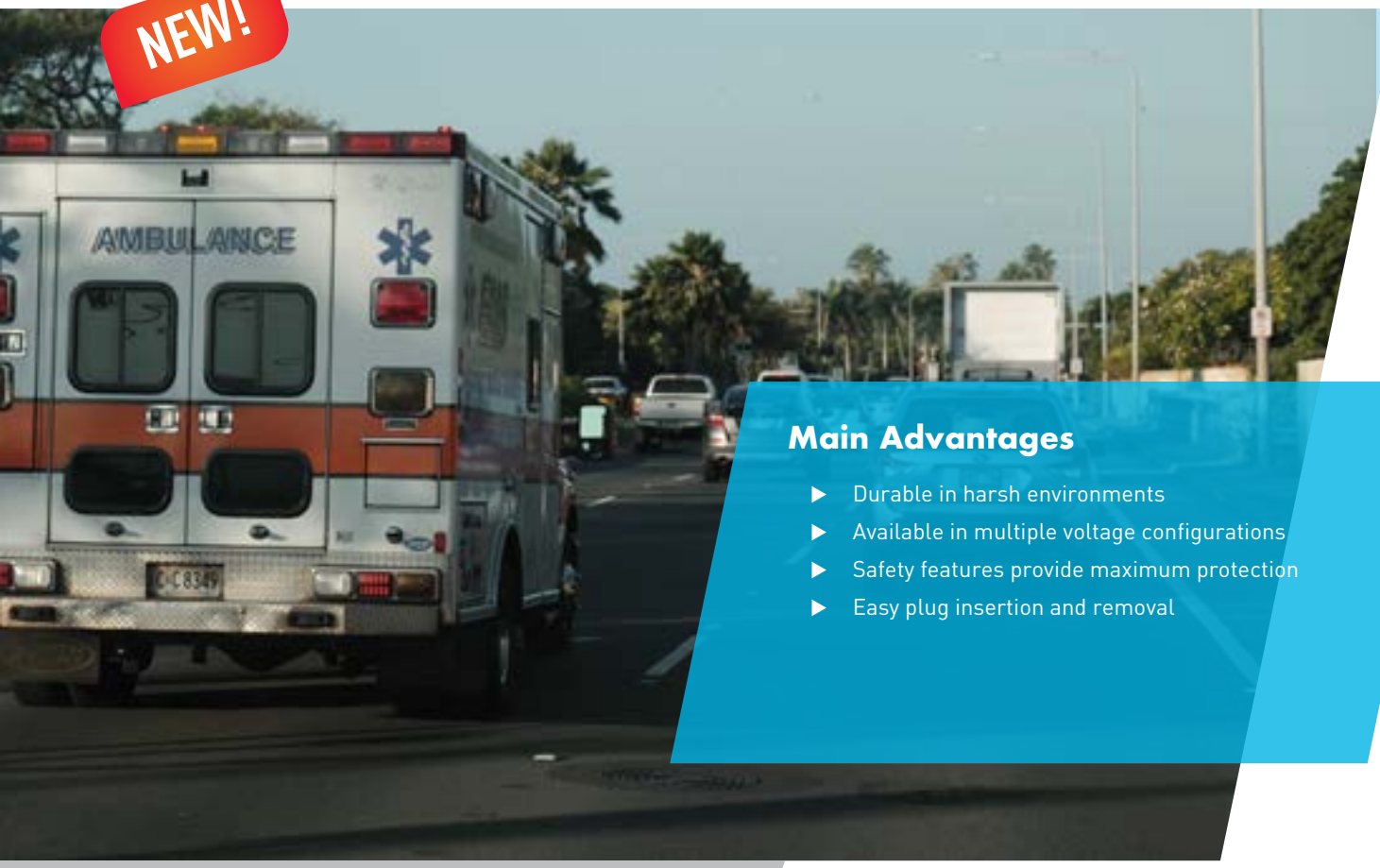
DS Series

Voltage	Polarity	Part #					
		DS20	DS30	DS60	DS100C	DS100	DS200
120 V	1P+N+G	33-11165-MTR	33-31165-MTR	33-61165-MTR	33-61235-C-K16-MTR	33-91165-MTR	37-21165-MTR
120 208 V	3P+N+G	33-11167-MTR	33-31167-MTR	33-61167-MTR	33-61237-C-K16-MTR	33-91167-MTR	37-21167-MTR
125 V	1P+N+G	33-11075-MTR	33-31075-MTR	33-61075-MTR	33-61175-C-K07-MTR	33-91075-MTR	37-21075-MTR
125 250 V	2P+N+G	33-11076-MTR	33-31076-MTR	33-61076-MTR	33-61176-C-K07-MTR	33-91076-MTR	37-21076-MTR
208 V	2P+G	33-11162-MTR	33-31162-MTR	33-61162-MTR	33-61232-C-K16-MTR	33-91162-MTR	37-21162-MTR
208 V	3P+G	33-11163-MTR	33-31163-MTR	33-61163-MTR	33-61233-C-K16-MTR	33-91163-MTR	37-21163-MTR
250 V	2P+G	33-11072-MTR	33-31072-MTR	33-61072-MTR	33-61172-C-K07-MTR	33-91072-MTR	37-21072-MTR
250 V	3P+G	33-11073-MTR	33-31073-MTR	33-61073-MTR	33-61173-C-K07-MTR	33-91073-MTR	37-21073-MTR
277 V	1P+N+G	33-11045-MTR	33-31045-MTR	33-61045-MTR	33-61245-C-K04-MTR	33-91045-MTR	37-21045-MTR
277 480 V	3P+N+G	33-11047-MTR	33-31047-MTR	33-61047-MTR	33-61247-C-K04-MTR	33-91047-MTR	37-21047-MTR
347 600 V	3P+N+G	33-11147-MTR	33-31147-MTR	33-61147-MTR	33-61187-C-K14-MTR	33-91147-MTR	37-21147-MTR
480 V	2P+G	33-11042-MTR	33-31042-MTR	33-61042-MTR	33-61242-C-K04-MTR	33-91042-MTR	37-21042-MTR
480 V	3P+G	33-11043-MTR	33-31043-MTR	33-61043-MTR	33-61243-C-K04-MTR	33-91043-MTR	37-21043-MTR
600 V	2P+G	33-11142-MTR	33-31142-MTR	33-61142-MTR	33-61182-C-K14-MTR	33-91142-MTR	37-21142-MTR
600 V	3P+G	33-11143-MTR	33-31143-MTR	33-61143-MTR	33-61183-C-K14-MTR	33-91143-MTR	37-21143-MTR

Notes: • Only the voltage indication function will work for single phase devices. The rotation of the motor cannot be determined because only one phase is in use.
Contact Customer Service for price and availability of inlet and rotation meter assemblies not published here.

RETTBOX® S Electromagnetic Self-Ejection

NEW!



Main Advantages

- Durable in harsh environments
- Available in multiple voltage configurations
- Safety features provide maximum protection
- Easy plug insertion and removal

- Features and Ratings p. 174
- RETTBOX®S p. 175
- Dimensions p. 176

! See pages 243-252 for detailed information on these options

PRODUCT FEATURES

RETTBOX® S is a professional use compact and load-breaking, self-ejecting plug. The best-in-class industrial socket-outlet providing RETTBOX® S complies with the following standards:

- European Low Voltage Directive and RoHS, European REACH regulation
- IEC/EN 61984, IEC/EN 60947-3

Applications

VOLTAGE PRESENCE AND AUXILLARY BATTERY CHARGING LIGHT INDICATORS

Figure 1: with an external battery charger.
12 V DC or 24 V DC power supply

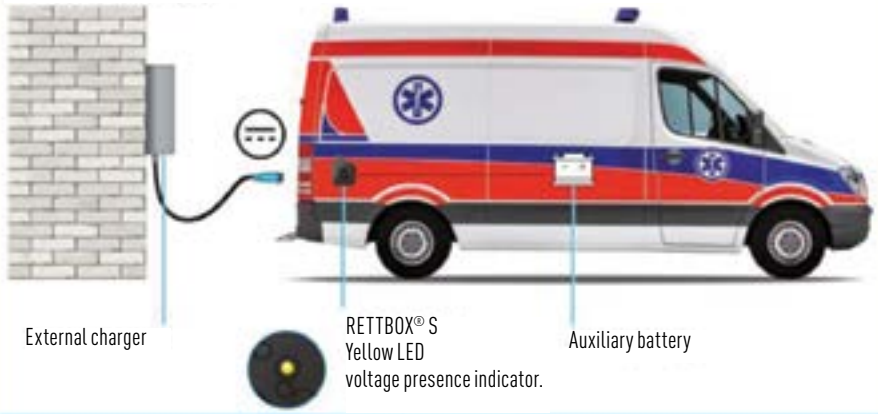
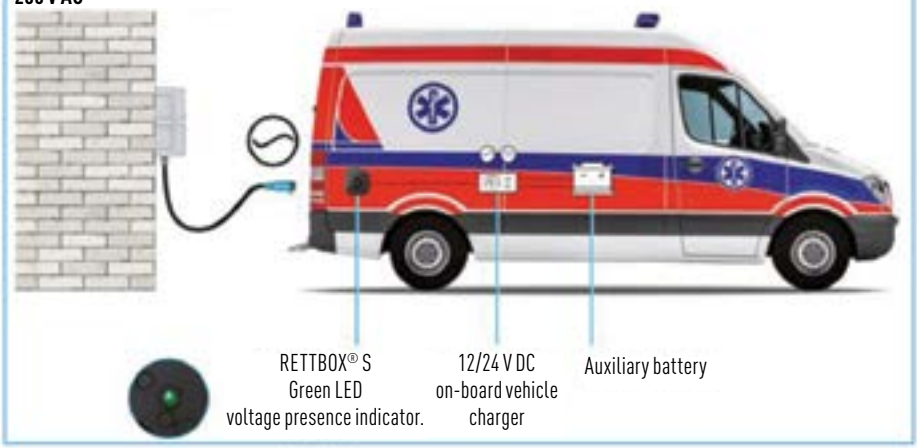
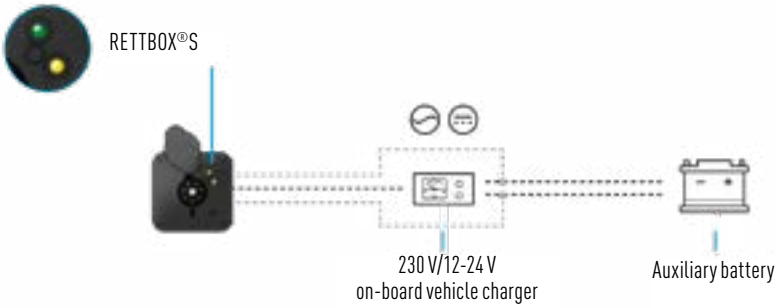


Figure 2: with an on-board vehicle charger.
230 V AC



OPTION: Order a 24 V yellow LED battery charging indicator. Reference 151ALED-24J



Operating Instructions

1. Easy to Install.
Direct enclosure on the vehicle body.

Direct wiring to the vehicle battery or the auxiliary battery.

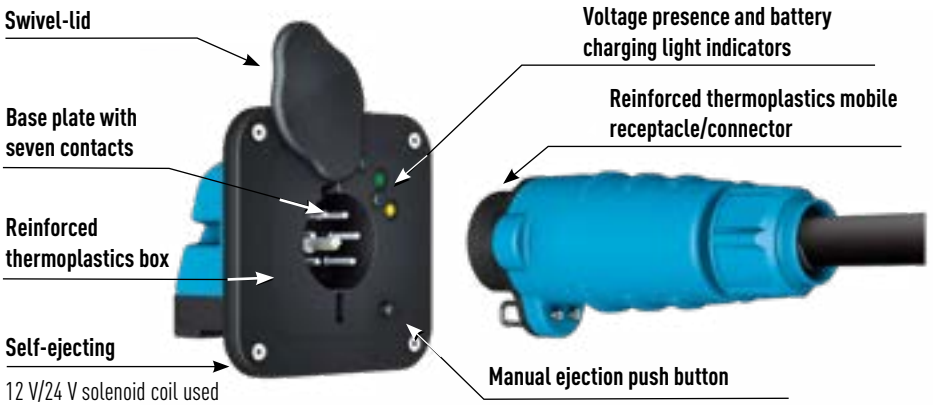
Possible integration onto curved vehicle bodies.

Easy to use

1. Easy Connection
   - Straight single-hand insertion.
   - Good grip feeling with the handle.
   - Normally closed swivel-lid.
2. Automatic ejection when the vehicle is starting.
3. Manual ejection of the plug also available (push button)

ELECTROMAGNETIC SELF-EJECTION RETTBOX® S

PRODUCT FEATURES



Other Features

OTHER FEATURES	RETTBOX® S
Front	GRP
Box	GRP
Front dimensions (W x H)	4.72" x 4.72"
Cut out dimensions on vehicle frame (W x H x D)	3.38" x 3.23" x 3.27"
Weight enclosure	0.88 lb
Built-in DECONTACTOR™	20 A or 30 A

RETTBOX® S ElectroMagnetic Self-Ejection

Enclosure

Receptacle

Voltage	Amperage	Polarity	Part # Enclosure	Part # Connector	
				Straight Cable Range 0.19-0.83	60° Angle Cable Range 0.35-0.71
380-480 VAC	30	6P+G	15-36036	15-33036	15-C3036
220-250 VAC	20	6P+G	15-16016	15-13016	15C3016
110-130 VAC	20	6P+G	15-16056	15-13056	15-C3056
24 VDC	20	6P+G	15-16046	15-13046	15-C3046
12 VDC	20	6P+G	15-16026	15-13026	15-C3026

Ratings

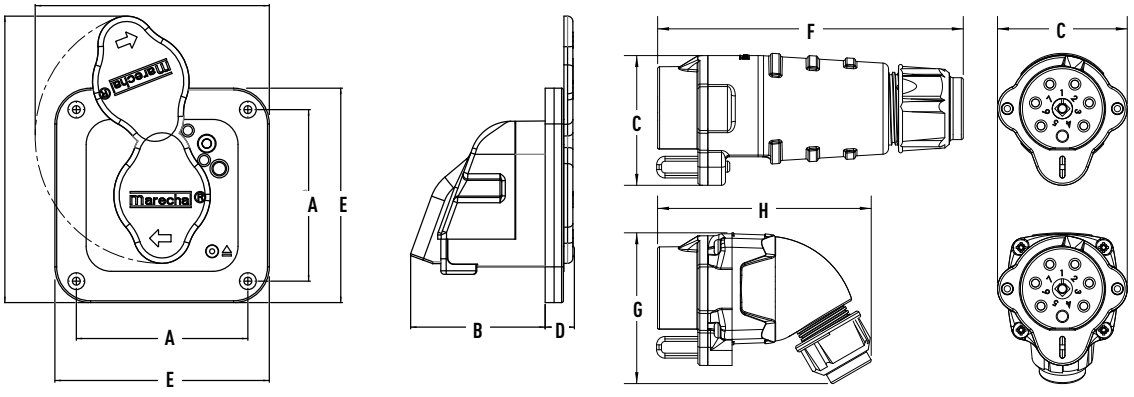
- **Voltage**
  480 VAC or 24 VDC
- **Amperage Ratings**
  20 A or 30 A
- **Environmental Ratings**
  IP54
- **Temperature Range**
  Min -40°F / Max 140°F
- **Wiring Capacity**
  Min 14 AWG Max 10 AWG
- **Terminal Type**
  Screw
- **Applicable Standards**
  IEC

OPTIONS

CHARGING INDICATOR		
	151ALED-24J	24 V yellow LED battery charging indicator

RETTBOX® S DIMENSIONS – Provided in Inches

Dimensions are for reference only and may change depending on accessories used. For precise dimensions contact MELTRIC Engineering.



PRODUCT	A	B	C	D	E	F	G	H
RETTBOX® S	4.72	2.95	2.60	0.63	3.78	6.14	3.03	4.29

HAZARDOUS LOCATION

Plugs & Receptacles

MELTRIC offers a wide range of hazardous location devices for use in power supply and control applications. Each device features our butt-style contact technology that maximizes durability and performance.

DXN P. 181

POLY POWER CONNECTORS

- ATEX or cCSAus rated for Zone 1 & 21 and Class I & 2 Div 2
- Horsepower rated
- Compact design
- 20 A, 30 A and 60 A sizes

DXA1 P. 195

POWER CONNECTORS

- ATEX or cCSAus rated for Zone 1 & 21 and Class I & 2 Div 2
- Robust metal construction
- 20 A sizes

DSN/DS P. 199

POWER CONNECTORS

- cCSAus rated, Zone 2 and Class I Div 2
- Horsepower rated
- Robust metal construction for 60 A and above
- 20 A, 30 A, 60 A, 100 A, 150 A and 200 A sizes

DR P. 211

POWER CONNECTORS

- cCSAus rated, Zone 2 and Class I Div 2
- Robust metal construction for 60 A and above
- 30 A, 50 A, and 250 A sizes

DSDC P. 217

POWER CONNECTORS

- cCSAus rated, Zone 2 and Class I Div 2
- Robust metal construction for 60 A and above
- 20 A, 30 A, 60 A, 100 A, and 200 A sizes

DX P. 219

POWER CONNECTORS

- ATEX Rated for Zone 1 & 21
- Rugged metal construction
- 20 A, 32 A, 63 A, and 125 A sizes
- Up to 600V, IP65

PNCX P. 229

LOW POWER CONNECTORS

- ATEX Rated for Zone 1/21
- IP66/IP67/IP69 Water and Dust Protection
- 5 A, 250 V Non-current interrupting

The MELTRIC Advantage

MELTRIC offers a range of hazardous duty rated devices for use in power supply and control applications. Each device features our butt-style contact technology that maximizes durability and performance. Depending on application needs, most devices can be configured for use in in-line and wall mounted applications.

Common industry applications:

- Chemical plants
- Pharmaceutical plants
- Oil and Gas facilities
- Grain silos
- Wood processing plants
- Plastics plants
- Wastewater plants

"Flush Mounted" DX Series plug and receptacle

"Inline" DXN Series plug and connector

Explanation of Area Classifications and Relevant Listings

The hazardous location area classifications and ratings used in most of North America differ from those used in most of the rest of the world. The North American approach has historically been to use a Class and Division system to identify the different levels of explosion hazards, while the international approach is based on Zones. In recent years, there has been recognition of the Zone classifications in the NEC and CEC, but the vast majority of the area classifications in North America continue to be based on the Class and Division system. The table below shows the relationship between the Class/Division and Zone based classification systems.

Gas

Explosive atmosphere	Continuously present	May occur in normal conditions	May appear accidentally or in abnormal conditions
Class & Division	Class I, Division 1		Class I, Division 2
Zone	Zone 0	Zone 1	Zone 2

Dust

Explosive atmosphere	Continuously present	May occur in normal conditions	May appear accidentally or in abnormal conditions
Class & Division	Class II, Division 1		Class II, Division 2
Zone	Zone 20	Zone 21	Zone 22

MELTRIC offers hazardous locations products rated for use in Zone 1, Zone 2, Zone 21, Zone 22, Class I Division 2 and Class 2 Division 2 areas as shown by the yellow highlighted cells in the table above. The area classifications, ratings and certifications that apply to each of the various products is shown in the following product specification table.

Selecting the Right Hazardous Location Rated Plug and Receptacle

Hazardous Duty Product Specifications

Zone 1/21 & 2/22, Class I & II Division 2 Devices

Product Type	Housing Material	Maximum Number of Contacts	Electrical Ratings				Certifications	Environmental Rating	Wiring Capacity		Wiring Connection	Catalog Page
			Max VAC	Amperage	Current Interruption	HP@Max Voltage			Min / Max			
DXN20	Poly	3P+N+G	600	20	YES	5	cCSAus	IP66/IP67	16 AWG	10 AWG	Screw	185
DXN30	Poly	3P+N+G + 2 aux	550	30	YES	15	cCSAus	IP66/IP67	14 AWG	6 AWG	Screw	187
DXN30	Poly	3P+N+G	600	30	YES	15	cCSAus	IP66/IP67	14 AWG	6 AWG	Screw	187
DXN60	Poly	3P+N+G	600	60	YES	20	cCSAus	IP66/IP67	10 AWG	4 AWG	Screw	189
DXN60	Poly	3P+N+G + 2 aux	550	60	YES	20	cCSAus	IP66/IP67	10 AWG	4 AWG	Screw	189
DXA1	Metal	3P+N+G	600	20	YES	5	cCSAus	IP66/IP67	16 AWG	10 AWG	Screw	195
SPeX	Poly	1P	1000	680	NO	-	cCSAus	IP65/IP66	2/0 AWG	750 MCM	Lug	239

Zone 2, Class I Division 2 Devices

Product Type	Housing Material	Maximum Number of Contacts	Electrical Ratings				Certifications	Environmental Rating	Wiring Capacity		Wiring Connection	Catalog Page
			Max VAC	Amperage	Current Interruption	HP@Max Voltage			Min / Max			
DS20	Poly	3P+N+G + 2 aux	600	20	NO	10	cCSAus	Type 4X	14 AWG	8 AWG	Screw	199
DS30	Poly	3P+N+G + 4 aux	600	30	NO	15	cCSAus	Type 4X	14 AWG	4 AWG	Screw	201
DS60	Metal	3P+N+G + 4 aux	600	60	NO	25	cCSAus	Type 4X	10 AWG	2 AWG	Screw	203
DS100C	Metal or Poly	3P+N+G + 4 aux	600	100	NO	50	cCSAus	Type 4X	10 AWG	2 AWG	Screw	205
DSN150	Metal	3P+N+G + 6 aux	600	150	NO	75	cCSAus	Type 4X	4 AWG	2/0 AWG	Screw	207
DS200	Metal	3P+N+G + 2 aux	600	200	NO	100	cCSAus	Type 4X	4 AWG	4/0 AWG	Screw	209
DR30	Poly	3P+N+G + 2 aux	600	30	NO	-	cCSAus	Type 4X	14 AWG	8 AWG	Screw	211
DR50	Poly	3P+N+G + 4 aux	600	50	NO	-	cCSAus	Type 4X	14 AWG	4 AWG	Screw	213
DR250	Metal	3P+N+G + 2 aux	600	250	NO	-	cCSAus	Type 4X	4 AWG	4/0 AWG	Screw	215

Zone 2, Class I Division 2 Devices for Direct Current

Product Type	Housing Material	Maximum Number of Contacts	Electrical Ratings				Certifications	Environmental Rating	Wiring Capacity		Wiring Connection	Catalog Page
			Max VDC	Amperage	Current Interruption	HP@Max Voltage			Min / Max			
DSDC1	Poly	2P+G	250	20	NO	-	cCSAus	Type 4X	14 AWG	8 AWG	Screw	217
DSDC3	Poly	2P+G	250	30	NO	-	cCSAus	Type 4X	14 AWG	4 AWG	Screw	217
DSDC6	Metal or Poly	2P+G	250	60	NO	-	cCSAus	Type 4X	10 AWG	2 AWG	Screw	217
DSDC9	Metal	2P+G	250	100	NO	-	cCSAus	Type 4X	4 AWG	2/0 AWG	Screw	217
DSDC2	Metal	2P+G	250	200	NO	-	cCSAus	Type 4X	4 AWG	4/0 AWG	Screw	217

International Configurations & Ratings

Product Type	Housing Material	Maximum Number of Contacts	Electrical Ratings				Certifications	Environmental Rating	Wiring Capacity		Wiring Connection	Catalog Page
			Max VAC	Amperage	Current Interruption	HP@Max Voltage			Min / Max			
DXN1	Poly	3P+N+G	550	20	YES	-	ATEX, IECEx	IP66/IP67	16 AWG	10 AWG	Screw	185
DXN3	Poly	3P+N+G	750	32	YES	-	ATEX, IECEx	IP66/IP67	14 AWG	6 AWG	Screw	187
DXN3	Poly	3P+N+G + 2 aux	550	32	YES	-	ATEX, IECEx	IP66/IP67	14 AWG	6 AWG	Screw	187
DXN6	Poly	3P+N+G	750	63	YES	-	ATEX, IECEx	IP66/IP67	10 AWG	4 AWG	Screw	189
DXN6	Poly	3P+N+G + 2 aux	550	63	YES	-	ATEX, IECEx	IP66/IP67	10 AWG	4 AWG	Screw	189
DXA1	Metal	3P+N+G	600	20	YES	-	ATEX, IECEx	IP66/IP67	16 AWG	10 AWG	Screw	195
DX1	Aluminum	3P+N+G	750	20	YES	-	ATEX, IECEx	IP65	14 AWG	8 AWG	Screw	223
DX3	Aluminum	3P+N+G	750	32	YES	-	ATEX, IECEx	IP65	14 AWG	8 AWG	Screw	224
DX6	Aluminum	3P+N+G	750	63	YES	-	ATEX, IECEx	IP65/IP66	6 AWG	1/0 AWG	Screw	225
DX9	Aluminum	3P+N+G	750	125	YES	-	ATEX, IECEx	IP65/IP66	2 AWG	2/0 AWG	Screw	226
PNCX	Poly	3P+N+G	250	5	NO		ATEX, IECEx	IP66/IP67/IP69	20 AWG	14 AWG	Screw	229
PXN12c	Metal	11P+G	220	10	NO	-	ATEX, IECEx	IP65/IP66	16 AWG	14 AWG	Solder/Crimp	234
DXN25c	Metal	24P+G	440	10	NO	-	ATEX, IECEx	IP66/IP67	16 AWG	14 AWG	Solder/Crimp	236
DXN37c	Metal	36P+G	220	10	NO	-	ATEX, IECEx	IP66/IP67	16 AWG	14 AWG	Solder/Crimp	236
SPeX	Poly	1P	1000	680	NO	-	ATEX, IECEx	IP65/IP66	2/0 AWG	750 MCM	Lug	239

DXN

Hazardous Location Plug and Receptacle

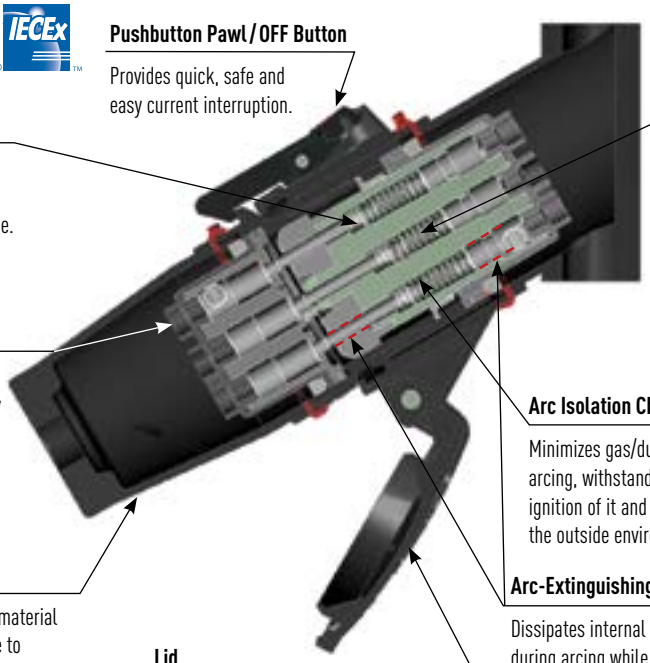
Main Advantages

- Easy to handle due to compact, lightweight design
- Available in in-line and wall/panel mounted configurations
- CSA, ATEX and IECEx certified for use in Zones 1 and 2 (gas) and Zones 21 and 22 (dust)

Watch the DXN video and other product videos at meltric.com/video

- Features & Ratings p. 182
- Certifications & Testing p. 183
- Operation p. 184
- DXN20 p. 185
- DXN30 p. 187
- DXN60 p. 189
- Dimensions p. 191

PRODUCT FEATURES



Pushbutton Pawl / OFF Button

Provides quick, safe and easy current interruption.

Silver-Nickel Contacts

Silver-nickel contact material provides superior conductivity, durability and corrosion resistance.

Spring-Loaded Butt-Style Contacts

Ensures optimal contact force and superior electrical performance over thousands of operations.

Hazardous Location Termination Areas

Includes enhanced creepage and clearance distances and specially designed terminals to ensure perfect and permanent clamping.

Arc Isolation Chamber

Minimizes gas/dust volume present during arcing, withstands internal pressure due to ignition of it and isolates the ignition from the outside environment.

Casing

Self-extinguishing, non-static, material provides outstanding resistance to mechanical abuse and chemicals.

Arc-Extinguishing Flame Path

Dissipates internal pressure created during arcing while also preventing any associated ignition sources from reaching the surrounding atmosphere.

Lid

When closed, the lid maintains IP66/IP67 protection for the receptacle after removal of the plug.

General Ratings

Amperage	20 to 60 A
Voltage	600 VAC
Frequency	50-400 Hz
Horsepower	.75 to 20 hp
Environmental	IP66/IP67
Temperature	min -40°F/max 140°F

* DXN30 and DXN60 devices are 550VAC if ordered with optional auxiliary contacts.

Hazardous Location Listings (CSA or ATEX)

CSA	ATEX
Ex de IIC T*Gb	II 2 G/D Ex de IIC T*Gb Ex tb IIIC T*Db
Ex tb IIIC T*Db	
Class I Zone I AEx de IIC T*Gb	
Zone 21 AEx tD T*Db	
Class I Division 2 Gr A,B,C,D	
Class II Division 2 Gr E,F,G	

* See temperature tables in product sections.
See following page for additional ratings detail.

Plug & Receptacle Listings (CSA or ATEX)

Category	CSA	IEC
Plugs and Receptacles	C22.2 No. 182.1	60309-1

CE ratings available upon request. / NOM ratings available upon request.

Highlighted Feature

Dead Front

The dead front on the DXN receptacle provides protection from accidental tool and wire insertion.

Operating Instructions

To connect, align the red dots, push the plug partially in, then turn clockwise slightly to line up the latch with the catch.

Push the plug fully home until it is held in place by the latch; the circuit is now closed.

To disconnect, depress the latch and pull the plug simultaneously. This breaks the circuit. The plug contacts are now dead.

Rotate 30° counterclockwise and then withdraw the plug. The safety shutter prevents access to live parts.

DXN Certifications

Hazardous Duty Certification (example)

DXN's are offered with CSA or ATEX certifications for use in hazardous locations.

CSA

-40°C ≤Ta≤ +60°C

Class I Zone 1 AEx de IIC T5, Gb

Zone 21, AEx tD T90°C Db

Class I Division 2 Gr A,B,C,D

Class I – Indicates suitability for use in applications where flammable Gases, Vapors, or Mists may be present.

Zone I – Indicates suitability for use in applications where an explosive environment is likely to occur in the air in sufficient quantities to produce explosive or ignitable mixtures under normal operating conditions.

Division 2 – Indicates suitability for use where exposure to the hazard occurs under abnormal conditions.

GR A,B,C,D – Indicates suitability for use in areas that may contain Acetylene, Hydrogen, Ethylene, or Propane.

Class II Division 2 Gr E,F,G

Class II – Indicates suitability for use in applications where explosive dust atmosphere may occur.

Division 2 – Indicates suitability for use where hazard exposure occurs under abnormal conditions.

GR E,F,G – Indicates suitability for use in areas where Magnesium, Coal or Grain dust may occur.

CSA certification based on IEC 60079-0, 60079-1, 60079-7

ATEX and IECEx

II 2 G/D Ex de IIC T* Gb

Ex tb IIIC T* Db

-40°C ≤Ta≤ +60°C T5 T90°C

-40°C ≤Ta≤ +40°C T6 T70°C

II – Indicates suitability for installation in surface applications (as opposed to underground mine applications).

2 – Indicates suitability for use where a high level of protection is required and where the presence of an explosive atmosphere is likely to occur occasionally during normal operation (Zone 1 and Zone 21 environments).

G/D – Indicates suitability for installation in areas that may contain flammable gases, vapors/mists, or dusts.

T90°C* – Indicates a maximum surface temperature of the product of 90°C, at -40°C to 60°C ambient.

Ex de – Indicates that explosion protection is provided with (e) increased safety in the conductor termination area, and (d) flame proof chambers for making and breaking the current that can withstand the pressure of internal ignition and that prevent arcs, flame, or other ignition events from being communicated to the surrounding atmosphere.

IIC – Indicates suitability for installation in areas where exposure to any type of gas, including the most dangerous subdivision C gases may occur.

T6* – Temperature class – the maximum product surface temperature is 185°F (85°C) for ambient temperature of 104°F (40°).

ATEX certification was performed by LCIE.

* Temperature ratings vary depending on product and ambient temperature. See specific product section for temperature ratings.

Electrical Performance Testing

	Key Performance Tests Passed				
Model	**Mechanical Endurance**	**Electrical Endurance[1]**	**Overload Testing[2]**	**Temperature Rise (max)**	**Dielectric Test**
DXN20	-	5000 Operations	50 Operations	30°C	2 x V (rated) + 1000 V
DXN30	1000 Cycles	1000 Operations	50 Operations	30°C	2 x V (rated) + 1000 V
DXN60	1000 Cycles	1000 Operations	50 Operations	30°C	2 x V (rated) + 1000 V

[1] @ 100% of rated current and voltage and 0.6 power factor [2] @125% of rated current, 110% of rated voltage, & 0.6 power factor

DXN Operation

Arcing is a natural occurrence when electrical contacts make and break under load. The purpose of a hazardous duty product is to prevent arcing from igniting hazardous gases or dusts present in the atmosphere into an explosion that may cause personal injury or damage to facilities and equipment. The DXN accomplishes this with specially designed flame-proof arc chambers.

The arc chambers are sized to minimize the amount of atmospheric gas or air/dust mixture that may ignite during arcing and are built to contain this internal mini-explosion and withstand the pressure that it generates. The length and width of the flame-proof pathways are very precisely designed to provide for the effective dissipation of the pressure, while also ensuring that the arcing and internal ignitions of gases or air/dust mixture in the arc chamber are totally isolated from the surrounding atmosphere.

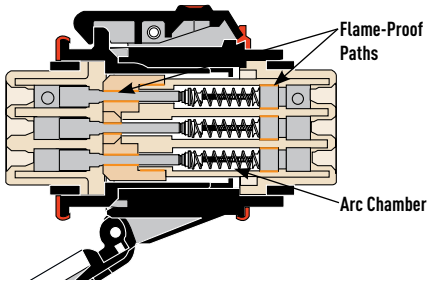
1 When the plug and receptacle are connected, the flameproof arc chamber is completed with pressure relief/arc extinguishing pathways between the outer diameter of the plug contact and its associated contact hole in the safety shutter and between the main interior component and receptacle contact base.

2 DXN's are current interrupting rated devices. They can safely make and break under full load and also during moderate overload situations. During the making or breaking of the contacts, the arc chamber completely contains any ignitions of gas or dust due to arcing and the flame-proof pathways dissipate the pressure.

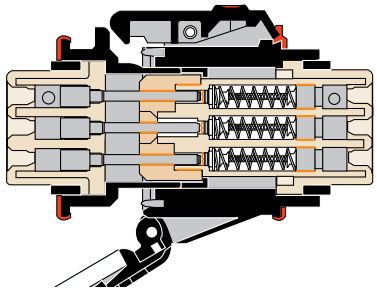
3 As the plug is being inserted or removed, the flame-proof arc chamber and pathways are maintained. This ensures continuous hazardous duty protection and the safety of the user.

4 When the plug and receptacle are disconnected, the receptacle maintains a flame-proof chamber. In this case, the flame-proof pathway exists between the safety shutter and the main interior component. The shutter also prevents access to live parts, providing users with the safety of a dead front. The plug must be inserted into the safety shutter and be rotated in order to access the receptacle contacts.

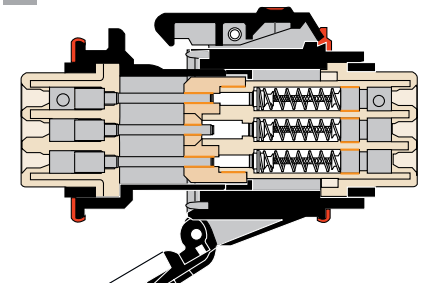
1



2



3



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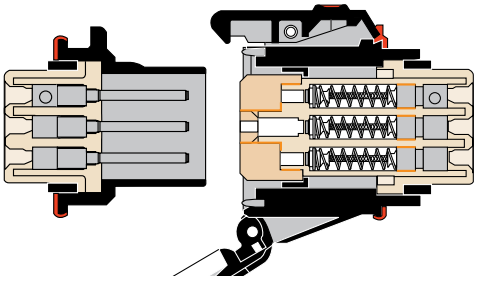


DXN20 Hazardous Location Plugs & Receptacles – 20 A

Devices rated for hazardous locations are not returnable.

cCSAus Certifications DXN20

- **Max Amperage & Voltage**
  20 A, 600 VAC, 60 Hz
- **Current Interruption Capability**
  For current interrupting (AC)
- **Horsepower Ratings**

120 V	1Ø	.75 hp
240 V	1Ø	2 hp
208 V	3Ø	3 hp
240 V	3Ø	3 hp
480 V	3Ø	7.5 hp
600 V	3Ø	7.5 hp

- **Short Circuit Rating**
  25 kA Close & Withstand
  Testing was performed with RK1 30 A fuse sized at 400% of the highest full load motor ampacity associated with the devices hp rating.
  Note: Consult NEC for Short Circuit limits.
- **Environmental Ratings**
  IP66/IP67
- **Wiring Capacity**
  Min 16 AWG Max 10 AWG
  * Based on THHN wire sizes.
- **Applicable Standards**
  CSA C22.2 No. 182.1
- **Hazardous Location Ratings**

-40°C ≤Ta ≤+60°C
Ex de IIC T5 Gb Ex tb IIIC T90°C Db
Class I Zone1 AEx de IIC T5 Gb
Zone 21 AEx tD T90°C Db
Class I Div 2 Gr A,B,C,D
Class II Div 2 Gr E,F,G
cCSAus 00.1144106X

Receptacle (female)

Standard DXN20 lid opens to 120°

Inlet (male)

! Receptacles & Inlets must be mounted to a DXN handle, angle or wall box

North American cCSAus Configurations

Voltage	Polarity	Part # Poly	Part # Poly
120 V	1P+N+G	22-14125-K16**	22-18125-K16**
125 V	1P+N+G	22-14075	22-18075
208 V	2P+G	22-14122-K16**	22-18122-K16**
208 V	3P+G	22-14123-K16**	22-18123-K16**
208 V	3P+N+G	22-14127-K16**	22-18127-K16**
250 V	2P+G	22-14072	22-18072
250 V	3P+G	22-14073	22-18073
250 V	2P+N+G	22-14076	22-18076
277 V	1P+N+G	22-14045	22-18045
480 V	2P+G	22-14042	22-18042
480 V	3P+G	22-14043	22-18043
480 V	3P+N+G	22-14047	22-18047
600 V	2P+G	22-14142	22-18142
600 V	3P+G	22-14143	22-18143
600 V	3P+N+G	22-14147	22-18147

Receptacle Options	Suffix #	Inlet Options	Suffix #
Padlock Pawl	Recept # -843	With No Lockout Hole	Inlet # -A155
Metal Pawl on Poly Receptacle	Recept # -924		
Closed Lid Configuration	Recept # -R		
180° Opening Lid	Recept # -180		

**Product has changed and will not mate with prior 22-1416x and 22-1816x 120 V and 208 V configurations. Please contact customer service if product will be used with devices purchased prior to January 31, 2021.

ATEX/IECEx Certifications DXN1

- **Max Amperage & Voltage**
  20 A, 550 VAC, 50 Hz
- **Environmental** IP66/IP67
- **Ambient Temp** -40°C to +60°C
- **Hazardous Location Ratings**
  ATEX/IECEx Zones 1 & 2, 21 & 22

MARECHAL ELECTRIC MAROMME
Ex II2 G/D Ex de IIC T*Gb
Ex tb IIIC T*Db
-40 °C ≤ TA ≤ +60 °C T5 T90 °C
-40 °C ≤ TA ≤ +40 °C T6 T70 °C
IECEx LCI 09.0005X / LCIE 99 ATEX 6027X

See MELTRIC's International Catalog (online) for additional product information.

Receptacle **Inlet**

IEC/CE Configurations (ATEX/IECEx)

Voltage	Polarity	Part # Poly	Part # Poly
20 - 24 V	2P	25-1408A	25-1808A
190 - 230 V	3P+E	25-14033	25-18033
220 - 250 V	1P+N+E	25-14015	25-18015
380 - 440 V	3P+E	25-14013	25-18013
380 - 440 V	3P+N+E	25-14017	25-18017
480 - 500 V	3P+E	25-14093	25-18093
480 - 500 V	3P+N+E	25-14097	25-18097

Receptacle Options	Suffix #	Receptacle Options	Suffix #
Padlock Pawl w/shaft for 2 locks	Recept # + 843	Self-returning Lid	Recept # + R
180° Opening Lid	Recept # + 10	180° Opening & Self-returning Lid	Recept # + 18

INSTALLATION ACCESSORIES – SIZE 1

Accessories rated for hazardous locations are not returnable.

HANDLES

POLY HANDLE w/NPT		Part #	
	1/2"	22-1A013-12	For use in Class I or II Division 2 or Class 1 Zone 1 or Zone 21 depending on fitting used. Fitting manufactured by others.
	3/4"	22-1A013-34	

POLY HANDLE w/CORD GRIP w/Cable Range			
	.24 - .47"	251P0BPA	For use in Class I or II Division 2, Class I Zone I or Zone 21 -20°C ≤ Ta ≤ +85°C
	.39 - .55"	251P0BPB	
	.35 - .63"	251P0CPD	
	.51 - .71"	251P0CPC	

ANGLES

POLY ANGLE			
	30°	22-1A057	

MISCELLANEOUS ACCESSORIES

FINGER DRAWPLATES		
	61-1A346	Set of Two (2) Recommended for cord to cord assembly applications, for easier connector closure.

PROTECTIVE INLET/PLUG CAP		
	22-1A426	For Inlets/Plugs Only.

RECEPTACLE LOCKING PIN		
	LP-843	Requires Padlockable Pawl option (-843) on receptacle.

BOXES

POLY WALL BOX w/NPT			Part #	
NPT * 4.5 in³	30°	1/2"	22-1A023-12-T	NPT Thread on top
	30°	3/4"	22-1A023-34-T	* Interior volume with receptacle installed.

POLY WALL BOX w/NPT			
NPT * 4.5 in³	30°	1/2"	22-1A023-12-B	NPT Thread on bottom
	30°	3/4"	22-1A023-34-B	* Interior volume with receptacle installed.

POLY ANGLE WITH METAL BOX w/NPT			
* 74.6 in³	70°	1/2"	221C7N05	NPT is drilled on top of metal box as standard. For NPT on side only, add an "L" suffix. To switch from top to bottom or left to right the box can be rotated.
	70°	3/4"	221C7N07	
	70°	1"	221C7N10	
	70°	1 1/4"	221C7N12	
	70°	1 1/2"	221C7N15	

NPT on top or bottom (if rotated). For other NPT configurations, contact Customer Service.

* Interior volume with receptacle installed.

POLY WALL BOX 120x120 w/o TERMINAL BLOCKS w/CORD GRIP				
* 82.0 in³	70°	1/2"	.20 - .35"	221C7BPJ	For use in Class I or II Division 2, Class I Zone I or Zone 21 1 hole with a poly cable gland.
	70°	1/2"	.24 - .47"	221C7BPA	
	70°	1/2"	.39 - .55"	221C7BPB	
	70°	3/4"	.35 - .63"	221C7CPD	
	70°	3/4"	.51 - .71"	221C7CPC	
	70°	1"	.51 - .79"	221C7DPF	
	70°	1"	.71 - .98"	221C7DPE	

HANDLES

POLY HANDLE w/POLY Cable Gland		Part #	
	5 - 10 mm	25-1A253-16P	For use in Zones 1 & 2 Zones 21 & 22
	12 - 18 mm	25-1A253-25P	
	16 - 25 mm	25-1A253-32P	

POLY HANDLE w/METAL Cable Gland			
	8 - 10 mm	25-1A253-20M	With Earth continuity
	12 - 14 mm	25-1A253-25M	
	18 - 24 mm	25-1A253-32M	

ANGLES

POLY ANGLE			
	30°	25-1A057	

POLY ANGLE			
	70°	25-1A757	For panel mounting. Not a replacement part for 70° wall box.

BOXES

POLY WALL BOX			Part #	
	30°	5 - 10 mm	25-1AB53-16P	
	30°	10 - 14 mm	25-1AB53	
	30°	12 - 18 mm	25-1AB53-25P	

POLY WALL BOX 120x120 w/o TERMINAL BLOCKS				
	70°	10 - 14 mm	25-1AB88-20P	1 hole with a poly cable gland.
	70°	12 - 18 mm	25-1AB88-25P	
	70°	16 - 25 mm	25-1AB88-32P	

POLY WALL BOX 120x120 w/4mm² TERMINAL BLOCKS				
	70°	10 - 14 mm	25-1A088-20P	With 2 holes (1 with a cable gland + 1 with a stopping plug), with 8+2E 4 mm² terminals blocks + 2.5 mm² wires, wiring 1-4 mm². For loop in loop out wiring. -40°C ≤ Ta ≤ +60°C T5 T90°C -40°C ≤ Ta ≤ +40°C T6 T70°C
	70°	12 - 18 mm	25-1A088-25P	

HAZARDOUS LOCATION

DXN30 Hazardous Location Plugs & Receptacles – 30 A

Devices rated for hazardous locations are not returnable.

cCSAus Certifications DXN30

- **Max Amperage & Voltage**
  30 A, 600 VAC, 60 Hz
- **Current Interruption Capability**
  For current interrupting (AC)
- **Horsepower Ratings**

120 V	1Ø	1 hp
240 V	3Ø	5 hp
480 V	3Ø	10 hp
600 V	3Ø	15 hp

- **Short Circuit Rating**
  25 kA Close & Withstand
  Testing was performed with RK1 70 A fuse sized at 400% of the highest full load motor ampacity associated with the devices hp rating.
  Note: Consult NEC for Short Circuit limits.
- **Environmental Ratings**
  IP66/IP67
- **Wiring Capacity**
  Min 14 AWG Max 6 AWG
  Aux Contacts - Max 10 AWG
  * Based on THHN wire sizes.
- **Applicable Standards**
  CSA C22.2 No. 182.1
- **Hazardous Location Ratings**

-40°C ≤Ta ≤+60°C
Ex de IIC T5 Gb Ex tb IIIC T77°C Db
Class I Zone1 AEx de IIC T5 Gb
Zone 21 AEx tD T77°C Db
Class I Div 2 Gr A,B,C,D
Class II Div 2 Gr E,F,G
cCSAus 00.1144106X

Receptacle (female)

Inlet (male)

Standard DXN30 lid opens to 120°

! Receptacles & Inlets must be mounted to a DXN handle, angle or wall box

North American cCSAus Configurations

Voltage	Polarity	Part # Poly	Part # Poly
120 V	1P+N+G	22-34165	22-38165
125 V	1P+N+G	22-34075	22-38075
208 V	2P+G	22-34162	22-38162
208 V	3P+G	22-34163	22-38163
208 V	3P+N+G	22-34167	22-38167
250 V	2P+G	22-34072	22-38072
250 V	3P+G	22-34073	22-38073
250 V	2P+N+G	22-34076	22-38076
277 V	1P+N+G	22-34045	22-38045
480 V	2P+G	22-34042	22-38042
480 V	3P+G	22-34043	22-38043
480 V	3P+N+G	22-34047	22-38047
600 V	2P+G	22-34142	22-38142
600 V	3P+G	22-34143	22-38143
600 V	3P+N+G	22-34147	22-38147

Receptacle Options	Suffix #	Inlet Options	Suffix #
With 2 Auxiliary/Pilot Contacts*	Recept # - 972	With 2 Auxiliary/Pilot Contacts*	Inlet # - 972
Padlock Pawl	Recept # - 843	With No Lockout Hole	Inlet # - A155
Metal Pawl on Poly Receptacle	Recept # - 924	* Not available with 600 V devices, use -972-S74 for 550 VAC.	
Closed Lid Configuration	Recept # - R		
180° Opening Lid	Recept # - 180		

ATEX/IECEx Certifications DXN3

- **Max Amperage & Voltage**
  32 A, 750 VAC, 50 Hz
- **Environmental** IP66/IP67
- **Ambient Temp** -40°C to +60°C
- **Hazardous Location Ratings**
  ATEX/IECEx Zones 1 & 2, 21 & 22

MARECHAL ELECTRIC MAROMME
Ex II2 G/D Ex de IIC T*Gb
Ex tb IIIC T*Db
-40 °C ≤ TA ≤ +60 °C T5 T77 °C
-40 °C ≤ TA ≤ +40 °C T6 T57 °C
IECEx LCI 09.0006X / LCIE 05 ATEX 6149

See MELTRIC's International Catalog (online) for additional product information.

Receptacle **Inlet**

IEC/CE Configurations (ATEX/IECEx)

Voltage	Polarity	Part # Poly	Part # Poly
20 - 24 V	2P	25-3408A	25-3808A
190 - 230 V	3P+E	25-34033	25-38033
220 - 250 V	1P+N+E	25-34015	25-38015
380 - 440 V	3P+E	25-34013	25-38013
380 - 440 V	3P+N+E	25-34017	25-38017
480 - 500 V	3P+E	25-34093	25-38093
480 - 500 V	3P+N+E	25-34097	25-38097

Receptacle Options	Suffix #	Receptacle Options	Suffix #
Padlock Pawl w/shaft for 2 locks	Recept # + 843	Self-returning Lid	Recept # + R
180° Opening Lid	Recept # + 10	180° Opening & Self-returning Lid	Recept # + 18
With 2 Auxiliary/Pilot Contacts*	Recept # + 972 Inlet # + 972		

INSTALLATION ACCESSORIES – SIZE 2

Accessories rated for hazardous locations are not returnable.

HANDLES

POLY HANDLE w/NPT		Part #	
	3/4"	22-3A013-34	For use in Class I or II Division 2 or Class 1 Zone 1 or Zone 21 depending on fitting used. Fitting manufactured by others.
	1"	22-3A013-1	

POLY HANDLE w/CORD GRIP w/Cable Range			
	.35 - .63"	252P0CPD	For use in Class I or II Division 2, Class I Zone I or Zone 21.
	.51 - .71"	252P0CPC	
	.51 - .79"	252P0DPF	-20°C ≤ Ta ≤ +85°C
	.71 - .98"	252P0DPE	

ANGLES

POLY ANGLE			
	30°	22-3A027	

MISCELLANEOUS ACCESSORIES

FINGER DRAWPLATES		
	61-3A346	Set of Two (2) Recommended for cord to cord assembly applications, for easier connector closure.

PROTECTIVE INLET/PLUG CAP		
	22-3A426	For Inlets/Plugs Only.

RECEPTACLE LOCKING PIN		
	LP-843	Requires Padlockable Pawl option (-843) on receptacle.

BOXES

POLY WALL BOX w/NPT			Part #	
NPT * 5.4 in³	30°	3/4"	22-3A023-34-T	NPT Thread on top. * Interior volume with receptacle installed.

POLY WALL BOX w/NPT				
NPT * 5.4 in³	30°	3/4"	22-3A023-34-B	NPT Thread on bottom * Interior volume with receptacle installed.

POLY ANGLE WITH METAL BOX w/NPT			
* 74.6 in³	70°	1/2"	222C7N05
	70°	3/4"	222C7N07
	70°	1"	222C7N10
	70°	1 1/4"	222C7N12
	70°	1 1/2"	222C7N15

NPT on top or bottom (if rotated). For other NPT configurations, contact Customer Service.

NPT is drilled on top of metal box as standard. For NPT on side only, add an "L" suffix. To switch from top to bottom or left to right the box can be rotated.

* Interior volume with receptacle installed.

POLY WALL BOX 120x120 w/o TERMINAL BLOCKS w/CORD GRIP				
* 82.0 in³	70°	1/2"	.20 - .35"	222C7BPJ
	70°	1/2"	.24 - .47"	222C7BPA
	70°	1/2"	.39 - .55"	222C7BPB
	70°	3/4"	.35 - .63"	222C7CPD
	70°	3/4"	.51 - .71"	222C7CPC
	70°	1"	.51 - .79"	222C7DPF
	70°	1"	.71 - .98"	222C7DPE

For use in Class I or II Division 2, Class I Zone I or Zone 21

1 hole with a poly cable gland.

HANDLES

POLY HANDLE w/POLY Cable Gland		Part #	
	10 - 14 mm	25-3A753	For use in Zones 1 & 2 Zones 21 & 22
	12 - 18 mm	25-3A783	
	16 - 25 mm	25-3A253-32P	
	22 - 32 mm	25-3A253-40P	

POLY HANDLE w/METAL Cable Gland			
	8 - 10 mm	25-3A253-20M	
	12 - 14 mm	25-3A253-25M	With Earth continuity
	18 - 24 mm	25-3A253-32M	

ANGLES

POLY ANGLE			
	30°	25-3A027	

POLY ANGLE			
	70°	25-3A757	For panel mounting. Not a replacement part for 70° wall box.

BOXES

POLY WALL BOX			Part #
	30°	10 - 14 mm	25-3AB53
	30°	12 - 18 mm	25-3AB53-25P

POLY WALL BOX 120x120 w/o TERMINAL BLOCKS			
	70°	10 - 14 mm	25-3AB88-20P
	70°	12 - 18 mm	25-3AB88-25P
	70°	16 - 25 mm	25-3AB88-32P

1 hole with a poly cable gland.

POLY WALL BOX 120x120 w/10mm² TERMINAL BLOCKS			
	70°	10 - 14 mm	25-3A088-20P
	70°	12 - 18 mm	25-3A088-25P

With 2 holes (1 with a cable gland + 1 with a stopping plug), with 8+2E 10 mm² terminals blocks + 6 mm² wires, wiring 2.5 - 10 mm². For loop in loop out wiring.
-40°C ≤ Ta ≤ +60°C T5 T77°C
-40°C ≤ Ta ≤ +40°C T6 T57°C

HAZARDOUS LOCATION

DXN60 Hazardous Location Plugs & Receptacles – 60 A

Devices rated for hazardous locations are not returnable.

cCSAus Certifications DXN60

- **Max Amperage & Voltage**
  60 A, 600 VAC, 60 Hz
- **Current Interruption Capability**
  For current interrupting (AC)
- **Horsepower Ratings**

120 V	1Ø	2 hp
240 V	3Ø	7.5 hp
480 V	3Ø	20 hp
600 V	3Ø	20 hp

- **Short Circuit Rating**
  25 kA Close & Withstand
  Testing was performed with RK1 100 A fuse sized at 400% of the highest full load motor ampacity associated with the devices hp rating.
  Note: Consult NEC for Short Circuit limits.
- **Environmental Ratings**
  IP66/IP67
- **Wiring Capacity**
  Min 10 AWG Max 4 AWG
  Aux Contacts - Max 10 AWG
  * Based on THHN wire sizes.
- **Applicable Standards**
  CSA C22.2 No. 182.1
- **Hazardous Location Ratings**

-40°C ≤Ta ≤+60°C
Ex de IIC T4 Gb Ex tb IIIC T100°C Db
Class I Zone1 AEx de IIC T4 Gb
Zone 21 AEx tD T100°C Db
Class I Div 2 Gr A,B,C,D
Class II Div 2 Gr E,F,G
cCSAus 00.1144106X

Receptacle (female)

Standard DXN60 lid opens to 1w0°

Inlet (male)

! Receptacles & Inlets must be mounted to a DXN handle, angle or wall box

North American cCSAus Configurations

Voltage	Polarity	Part # Poly	Part # Poly
120 V	1P+N+G	22-64165	22-68165
125 V	1P+N+G	22-64075	22-68075
208 V	2P+G	22-64162	22-68162
208 V	3P+G	22-64163	22-68163
208 V	3P+N+G	22-64167	22-68167
250 V	2P+G	22-64072	22-68072
250 V	3P+G	22-64073	22-68073
250 V	2P+N+G	22-64076	22-68076
277 V	1P+N+G	22-64045	22-68045
480 V	2P+G	22-64042	22-68042
480 V	3P+G	22-64043	22-68043
480 V	3P+N+G	22-64047	22-68047
600 V	2P+G	22-64142	22-68142
600 V	3P+G	22-64143	22-68143
600 V	3P+N+G	22-64147	22-68147

Receptacle Options	Suffix #	Inlet Options	Suffix #
With 2 Auxiliary/Pilot Contacts*	Recept # -972	With 2 Auxiliary/Pilot Contacts*	Inlet # -972
Padlock Pawl	Recept # -843	With No Lockout Hole	Inlet # - A155
Metal Pawl on Poly Receptacle	Recept # - 924	* Not available with 600V devices, use -972-S74 for 550 VAC	
Closed Lid Configuration	Recept # -R		
180° Opening Lid	Recept # -180		

ATEX/IECEx Certifications DXN6

- **Max Amperage & Voltage**
  63 A, 750 VAC, 50 Hz
- **Environmental** IP66/IP67
- **Ambient Temp** -40°C to +60°C
- **Hazardous Location Ratings**
  ATEX/IECEx Zones 1 & 2, 21 & 22

MARECHAL ELECTRIC MAROMME
Ex II2 G/D Ex de IIC T*Gb
Ex tb IIIC T*Db
-40 °C ≤ TA ≤ +60 °C T4 T107 °C
-40 °C ≤ TA ≤ +40 °C T5 T87 °C
IECEx LCI 09.0007 / LCIE 05 ATEX 6150

See MELTRIC's International Catalog (online) for additional product information.

Receptacle **Inlet**

IEC/CE Configurations (ATEX/IECEx)

Voltage	Polarity	Part # Poly	Part # Poly
20 - 24 V	2P	25-6408A	25-6808A
190 - 230 V	3P+E	25-64033	25-68033
220 - 250 V	1P+N+E	25-64015	25-68015
380 - 440 V	3P+E	25-64013	25-68013
380 - 440 V	3P+N+E	25-64017	25-68017
480 - 500 V	3P+E	25-64093	25-68093
480 - 500 V	3P+N+E	25-64097	25-68097

Receptacle Options	Suffix #	Receptacle Options	Suffix #
Padlock Pawl w/shaft for 2 locks	Recept # + 843	Self-returning Lid	Recept # + R
180° Opening Lid	Recept # + 10	180° Opening & Self-returning Lid	Recept # + 18
With 2 Auxiliary/Pilot Contacts*	Recept # + 972 Inlet # + 972		

INSTALLATION ACCESSORIES – SIZE 3

Accessories rated for hazardous locations are not returnable.

HANDLES

POLY HANDLE w/NPT

	Part #	
1"	22-6A013-1	For use in Class I or II Division 2 or Class 1 Zone 1 or Zone 21 depending on fitting used. Fitting manufactured by others.

POLY HANDLE w/CORD GRIP w/Cable Range

.51 - .79"	253P0DPF	For use in Class I or II Division 2, Class I Zone I or Zone 21.
.71 - .98"	253P0DPE	

-20°C ≤ Ta ≤ +85°C

ANGLES

POLY ANGLE

30°	22-6A027	

MISCELLANEOUS ACCESSORIES

FINGER DRAWPLATES

	61-6A346	Set of Two (2) Recommended for cord to cord assembly applications, for easier connector closure.

PROTECTIVE INLET/PLUG CAP

	22-6A426	For Inlets/Plugs Only.

RECEPTACLE LOCKING PIN

	LP-843	Requires Padlockable Pawl option (-843) on receptacle.

BOXES

POLY WALL BOX w/NPT

		Part #	
NPT * 11.1 in³	30° 1"	22-6A023-1-T	NPT Thread on top. * Interior volume with receptacle installed.

POLY WALL BOX w/NPT

NPT *11.1 in³	30° 1"	22-6A023-1-B	NPT Thread on bottom. * Interior volume with receptacle installed.

POLY ANGLE WITH METAL BOX w/NPT

* 177.7 in³	70° 1/2"	223C7N05	NPT is drilled on top of metal box as standard. For NPT on side only, add an "L" suffix. To switch from top to bottom or left to right the box can be rotated.
	70° 3/4"	223C7N07	
	70° 1"	223C7N10	
	70° 1 1/4"	223C7N12	
	70° 1 1/2"	223C7N15	

NPT on top or bottom (if rotated). For other NPT configurations, contact Customer Service.

* Interior volume with receptacle installed.

POLY WALL BOX 160x160 w/o TERMINAL BLOCKS w/CORD GRIP

* 179.4 in³	70°	3/4"	.35 - .63"	223C7CPD
	70°	3/4"	.51 - .71"	223C7CPC
	70°	1"	.51 - .79"	223C7DPF
	70°	1"	.71 - .98"	223C7DPE
	70°	1 1/2"	.79 - 1.02"	223C7M40PG
	70°	1 1/2"	.87 - 1.26"	223C7M40PH

For use in Class I or II Division 2, Class I Zone I or Zone 21

1 hole with a poly cable gland.

HANDLES

POLY HANDLE w/POLY Cable Gland

	Part #	
10 - 14 mm	25-6A253-20P	For use in Zones 1 & 2 Zones 21 & 22.
12 - 18 mm	25-6A753	
16 - 25 mm	25-6A253-32P	
22 - 32 mm	25-6A253-40P	

POLY HANDLE w/METAL Cable Gland

8 - 10 mm	25-6A253-20M	With Earth continuity.
12 - 14 mm	25-6A253-25M	
18 - 24 mm	25-6A253-32M	

ANGLES

POLY ANGLE

30°	25-6A027	

POLY ANGLE

70°	25-6A757	For panel mounting. Not a replacement part for 70° wall box.

BOXES

POLY WALL BOX

		Part #
30°	12 - 18 mm	25-6AB53

POLY WALL BOX 160x160 w/o TERMINAL BLOCKS

70°	10 - 14 mm	25-6AB88-20P	1 hole with a poly cable gland.
70°	12 - 18 mm	25-6AB88-25P	
70°	16 - 25 mm	25-6AB88-32P	
70°	22 - 32 mm	25-6AB88-40P	

POLY WALL BOX 160x160 w/16mm² TERMINAL BLOCKS

70°	10 - 14 mm	25-6A088-20P	With 2 holes (1 with a cable gland + 1 with a stopping plug), with 8 + 2E 16 mm² terminal blocks + 16 mm² wires, wiring 6 - 16 mm² for loop in loop out wiring
70°	12 - 18 mm	25-6A088-25P	
70°	16 - 25 mm	25-6A088-32P	
70°	22 - 32 mm	25-6A088-40P	

-40°C ≤ Ta ≤ +55°C T4 T105°C

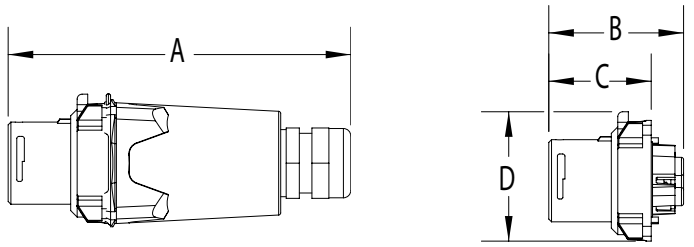
-40°C ≤ Ta ≤ +50°C T5 T95°C

HAZARDOUS LOCATION

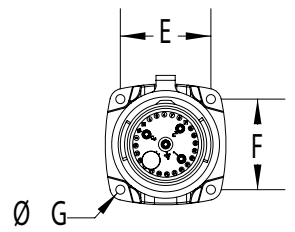
DXN DIMENSIONS Inlet – Provided in inches

Dimensions are for reference only and may change depending on accessories used. For precise dimensions contact MELTRIC Engineering.

Plug

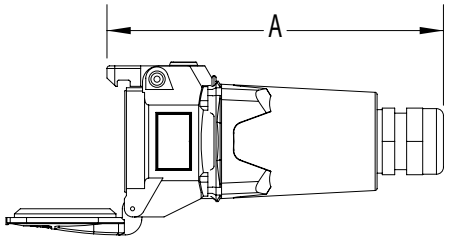


Inlet

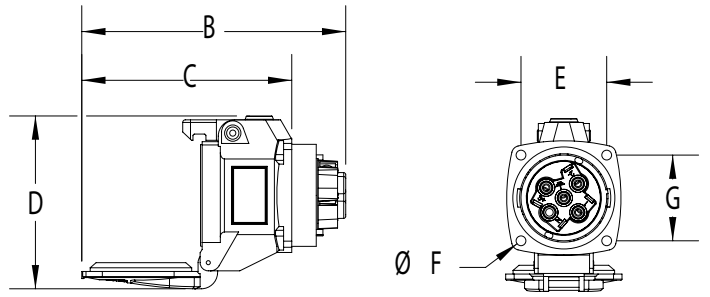


PRODUCT	A	B	C	D	E	F	øG
DXN20	6.36	2.57	1.86	2.40	1.65	1.65	0.18
DXN30	6.47	3.03	1.97	2.83	1.89	1.89	0.19
DXN60	9.67	3.94	2.19	3.02	2.19	2.19	0.20

Connector

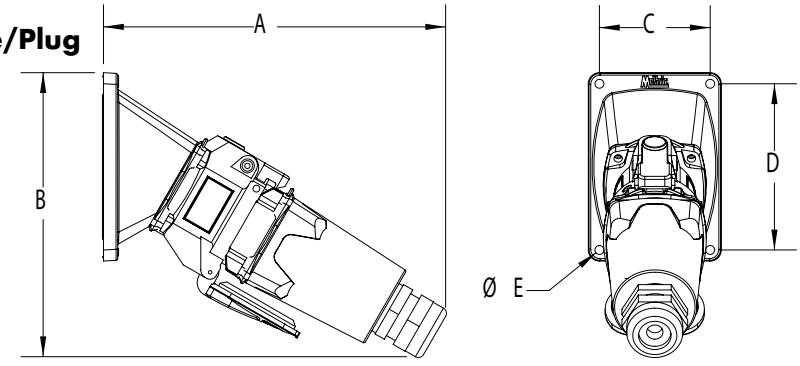


Receptacle



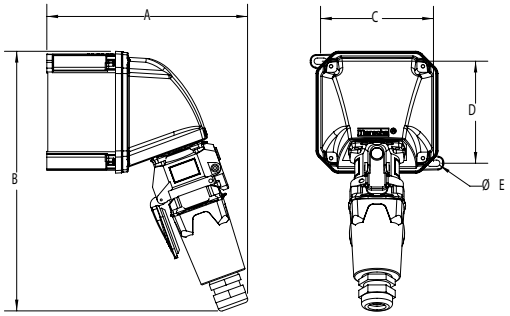
PRODUCT	A	B	C	D	E	øF	G
DXN20	6.22	4.77	4.09	5.28	1.65	0.18	1.65
DXN30	7.17	5.49	4.29	7.05	1.89	0.20	1.89
DXN60	8.31	7.18	5.91	7.68	2.19	0.20	2.19

30° Angle/Receptacle/Plug



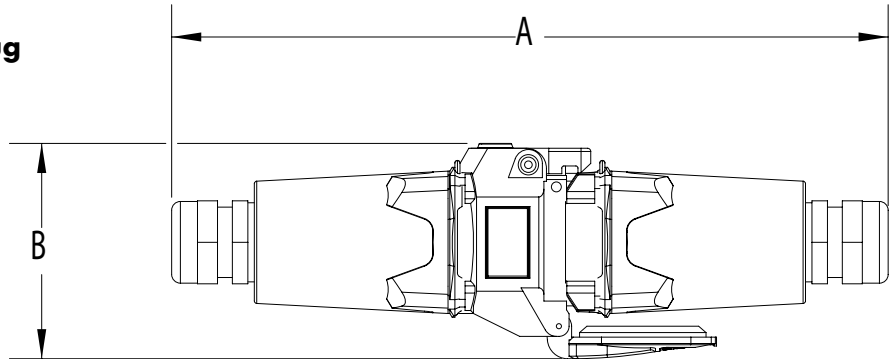
PRODUCT	A	B	C	D	øE
DXN20	7.52	5.91	2.50	3.75	0.20
DXN30	8.07	6.57	2.50	3.75	0.20
DXN60	9.41	7.48	2.50	3.75	0.20

70° Wall Box/ Receptacle/Plug



PRODUCT	A	B	C	D	øE
DXN20	8.17	10.57	4.60	4.15	0.26
DXN30	9.25	12.62	4.60	4.15	0.26
DXN60	11.88	13.39	6.17	5.73	0.26

Connector/Plug



PRODUCT	A	B
DXN20	11.10	3.33
DXN30	12.59	4.08
DXN60	13.95	4.65

DXA1

Hazardous Location Plug and Receptacle

Main Advantages

- CSA and ATEX hazardous listings
- Robust metal casings withstand harsh environments
- Spring-loaded, butt-style contacts provide superior performance
- Dual pawls with locking feature for secure connections

- Features & Ratings p. 194
- DXA1 20 p. 195

PRODUCT FEATURES

IP66/IP67 Watertightness

Environmental rating is achieved as soon as the plug is latched to the receptacle. There is no additional ring to tighten.

Locking Provision

For insertion of locking pin (or padlock) to prevent inadvertent disconnection (Standard).

Metal Casing

Provides excellent durability and protection.

Lid

Provides additional protection from harsh environments.

Silver-Nickel Contacts

Silver-nickel contact material provides superior conductivity, durability and corrosion resistance.

Spring-Loaded Butt-Style Contacts

Ensures optimal contact force and superior electrical performance over thousands of operations.

Hazardous Location Listings (CSA or ATEX)

CSA	ATEX
Ex de IIC T*Gb	II 2 G D Ex de IIC T*Gb Ex tb IIIC T* Db
Ex tb IIIC T*Db	-55°C <Ta< 40°C T6 T68°C
Class I Zone I AEx de IIC T*Gb	-55°C <Ta< 60°C T5 T88 °C
Zone 21 AEx tD T*Db	LCIE 15 ATEX 3033 / IECEx LCIE 15.0030
Class I Division 2 Gr A,B,C,D	
Class II Division 2 Gr E,F,G	
-55°C <Ta< 40°C T6 T68°C	
-55°C <Ta< 60°C T5 T88 °C	

The DXA product line is similar to the DXN, but uses a larger casing made of aluminum and equipped with dual pawls for use in more abusive and colder environments.

NOM ratings available upon request.

DXA1 Hazardous Location Plugs & Receptacles – 20 A

Devices rated for hazardous locations are not returnable.

Certifications

- **Max Amperage & Voltage**
  20 A, 600 VAC, 60 Hz
- **Current Interruption Capacity**
  For current interrupting (AC)
- **Horsepower Ratings**

120 V	1Ø	.75 hp
240 V	1Ø	2 hp
208 V	3Ø	3 hp
240 V	3Ø	3 hp
480 V	3Ø	7.5 hp
600 V	3Ø	7.5 hp

- **Short Circuit Rating**
  25 kA Close & Withstand
  Testing was performed with RK1 30 A fuse sized at 400% of the highest full load motor ampacity associated with the devices hp rating.
  Note: Consult NEC for Short Circuit limits.
- **Environmental Ratings**
  IP66/IP67
- **Temperature Range**
  Min -67°F / Max 140°F
  See pg 266 for temps below -15°F.
- **Wiring Capacity**
  Min 16 AWG Max 10 AWG
  * Based on THHN wire sizes.
- **Applicable Standards**
  CSA C22.2 No. 182.1
- **Hazardous Location Ratings**

-55°C ≤Ta ≤+60°C
Ex de IIC T5 Gb Ex tb IIIC T88°C Db
Class I Zone1 AEx de IIC T5 Gb
Zone 21 AEx tD T88°C Db
Class I Div 2 Gr A,B,C,D
Class II Div 2 Gr E,F,G
cCSAus 00.114406X

(Suffix #)	Threaded NPT
-34	3/4"

Note: Connector and Plug come standard with ½" NPT

Receptacle (female) or **Inlet** (male)

North American Configurations

Voltage	Polarity	Part # Metal	Part # Metal
120 V	1P+N+G	2814165	2818165
125 V	1P+N+G	2814075	2818075
208 V	2P+G	2814162	2818162
208 V	3P+G	2814163	2818163
208 V	3P+N+G	2814167	2818167
250 V	2P+G	2814072	2818072
250 V	3P+G	2814073	2818073
250 V	2P+N+G	2814076	2818076
277 V	1P+N+G	2814045	2818045
480 V	2P+G	2814042	2818042
480 V	3P+G	2814043	2818043
480 V	3P+N+G	2814047	2818047
600 V	2P+G	2814142	2818142
600 V	3P+G	2814143	2818143
600 V	3P+N+G	2814147	2818147

For international configurations (ATEX/IECEx) visit meltric.com/international-catalog or contact Customer Service at 800-433-7642.

Connector (female) or **Plug** (male)

North American Configurations

Voltage	Polarity	Part # Metal	Part # Metal
120 V	1P+N+G	2813165	2811165
125 V	1P+N+G	2813075	2811075
208 V	2P+G	2813162	2811162
208 V	3P+G	2813163	2811163
208 V	3P+N+G	2813167	2811167
250 V	2P+G	2813072	2811072
250 V	3P+G	2813073	2811073
250 V	2P+N+G	2813076	2811076
277 V	1P+N+G	2813045	2811045
480 V	2P+G	2813042	2811042
480 V	3P+G	2813043	2811043
480 V	3P+N+G	2813047	2811047
600 V	2P+G	2813142	2811142
600 V	3P+G	2813143	2811143
600 V	3P+N+G	2813147	2811147

Cord grip not included. NPT sizes are determined by the cable diameter. Select hazardous cord grip from Cord Grip section, pg 169.

For international configurations (ATEX/IECEx) visit meltric.com/international-catalog or contact Customer Service at 800-433-7642.

Receptacle/30° Angle (female)

or

Inlet/30° Angle (male)

North American Configurations

Voltage	Polarity	Part # Metal	Part # Metal
120 V	1P+N+G	2817165	2819165
125 V	1P+N+G	2817075	2819075
208 V	2P+G	2817162	2819162
208 V	3P+G	2817163	2819163
208 V	3P+N+G	2817167	2819167
250 V	2P+G	2817072	2819072
250 V	3P+G	2817073	2819073
250 V	2P+N+G	2817076	2819076
277 V	1P+N+G	2817045	2819045
480 V	2P+G	2817042	2819042
480 V	3P+G	2817043	2819043
480 V	3P+N+G	2817047	2819047
600 V	2P+G	2817142	2819142
600 V	3P+G	2817143	2819143
600 V	3P+N+G	2817147	2819147

For international configurations (ATEX/IECEx) visit meltric.com/international-catalog or contact Customer Service at 800-433-7642.

Receptacle/Wall Box (female)

or

Inlet/Wall Box (male)

North American Configurations

Voltage	Polarity	Part # Metal	Part # Metal
120 V	1P+N+G	2810165	2816165
125 V	1P+N+G	2810075	2816075
208 V	2P+G	2810162	2816162
208 V	3P+G	2810163	2816163
208 V	3P+N+G	2810167	2816167
250 V	2P+G	2810072	2816072
250 V	3P+G	2810073	2816073
250 V	2P+N+G	2810076	2816076
277 V	1P+N+G	2810045	2816045
480 V	2P+G	2810042	2816042
480 V	3P+G	2810043	2816043
480 V	3P+N+G	2810047	2816047
600 V	2P+G	2810142	2816142
600 V	3P+G	2810143	2816143
600 V	3P+N+G	2810147	2816147

For international configurations (ATEX/IECEx) visit meltric.com/international-catalog or contact Customer Service at 800-433-7642.

Accessories & Options

Inlet Cap

Part # 281A426

Receptacle Lockout Pin

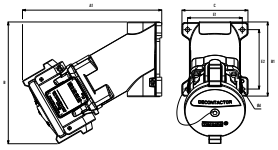
Part # LP-843

Finger Drawplates

Part # 281A346

(Suffix #)	Threaded NPT	Location
12T	1/2"	Top
34T	3/4"	Top
34B	3/4"	Bottom

Note: Receptacle/Wall Box & Inlet/Wall Box come standard with ½" NPT on bottom



Contact MELTRIC Engineering for DXA1 dimensions.

HAZARDOUS LOCATION

ZONE 2

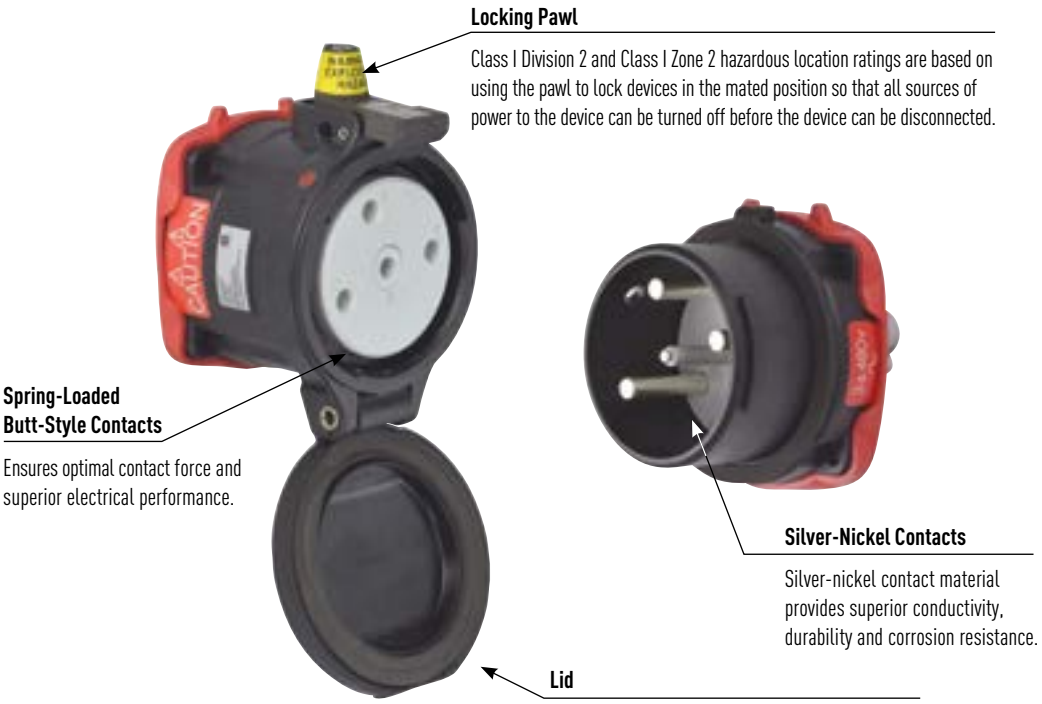
Hazardous Location Rated Plug and Receptacle

Main Advantages

- Featuring silver nickel butt-style contacts for maximum performance and durability
- Available in in-line and wall/panel mounted configurations
- Ideal for motor connections up to 75 hp

- Features & Ratings p. 198
- DS p. 199
- DSN p. 207
- DR p. 211
- DSDC p. 217

PRODUCT FEATURES



General Ratings

Amperage	20 to 250 A
Voltage	600 VAC, 250 VDC
Frequency	60 Hz
Horsepower	.75 to 100 hp
Environmental	Type 4X
Temperature	min -40°F/max 104°F

Hazardous Location Listings

CSA
Class I Division 2 Gr A,B,C,D, T6
Class I Zone 2, IIC

Highlighted Feature

Typical Device Labels

Meltric DS60
60 A, 480 VAC
20hp, TYPE 4X
1002001
36-64043
RECEPTACLE/CONNECTOR
Class I, Division 2, Groups ABCD, T6
Class I, Zone 2, IIC

DS and DSN plugs and receptacles are CSA horsepower rated for motor connections in hazardous locations. Not to be operated while energized.

Plug & Receptacles Listings (CSA)

Category	CSA
Plugs and Receptacles	C22.2 No. 182.1-07
Electrical Equipment for Class I, Div 2 Locations	C22.2 No. 213-M1987

NOM ratings available upon request.

Operating Instructions

Before connection, ensure that the circuit is de-energized. Align the red dots, push the plug partially in, then turn clockwise slightly to line up the latch with the catch.

Push the plug fully home until it is held in place by the latch. The circuit is now closed.

Listing Requirement: Tighten screw to lock the plug in the mated position.

Optional: Insert a 5/16˝ lock or locking pin to prevent disconnection or to lock the receptacle lid closed.

DS20 Hazardous Location Plugs & Receptacles – 20 A

Devices rated for hazardous locations are not returnable.

Ratings

- **Voltage**
  600 VAC
- **Current Interruption Capability**
  Not for current interrupting
- **Horsepower Ratings**

120 V	1Ø	.75 hp
208 V	3Ø	3 hp
240 V	3Ø	5 hp
480 V	3Ø	7.5 hp
600 V	3Ø	10 hp

- **Short Circuit Rating**
  100 kA Withstand
  Tested with RK1 current limiting fuses sized at 400% of the highest full load motor ampacity.
- **Environmental Ratings**
  Type 4X
- **Temperature Range**
  Min -40°F/Max 104°F
  See pg 266 for temps below -15°F.
- **Wiring Capacity**
  Min 14 AWG Max 8 AWG
  Aux Contacts - Max 14 AWG
  Based on THHN wire sizes.
- **Applicable Standards**
  CSA C22.2 No. 182.1-07
  C22.2 No. 213-M1987
- **Hazardous Ratings**
  Class I, Division 2, Groups ABCD, T6
  Class I, Zone 2, IIC

Receptacle (female)

Inlet (male)

Hazardous Location DS20 lid is normally closed

! Don't forget to add installation accessories to your order

Voltage	Polarity	Part # Poly	Part # Poly
120 V	1P+N+G	35-14165-xxx-HAZ	35-18165-xxx-HAZ
120 208 V	3P+N+G	35-14167-xxx-HAZ	35-18167-xxx-HAZ
125 V	1P+N+G	35-14075-xxx-HAZ	35-18075-xxx-HAZ
125 250 V	2P+N+G	35-14076-xxx-HAZ	35-18076-xxx-HAZ
208 V	2P+G	35-14162-xxx-HAZ	35-18162-xxx-HAZ
208 V	3P+G	35-14163-xxx-HAZ	35-18163-xxx-HAZ
250 V	2P+G	35-14072-xxx-HAZ	35-18072-xxx-HAZ
250 V	3P+G	35-14073-xxx-HAZ	35-18073-xxx-HAZ
277 V	1P+N+G	35-14045-xxx-HAZ	35-18045-xxx-HAZ
277 480 V	3P+N+G	35-14047-xxx-HAZ	35-18047-xxx-HAZ
347 600 V	3P+N+G	35-14147-xxx-HAZ	35-18147-xxx-HAZ
480 V	2P+G	35-14042-xxx-HAZ	35-18042-xxx-HAZ
480 V	3P+G	35-14043-xxx-HAZ	35-18043-xxx-HAZ
600 V	2P+G	35-14142-xxx-HAZ	35-18142-xxx-HAZ
600 V	3P+G	35-14143-xxx-HAZ	35-18143-xxx-HAZ

The xxx represents any and all device options; if no options are needed, the xxx suffix should be omitted.

Part Number Example

480 V DS20 + 2 aux contacts

DS20 recept 3P+G = 35-14043-***972***-HAZ

480 V DS20 with no options

DS20 recept 3P+G = 35-14043-HAZ

Receptacle Options	Suffix #	Inlet Options	Suffix #
With 2 Auxiliary/Pilot Contacts	**Recept # -972**	With 2 Auxiliary/Pilot Contacts	**Inlet # -972**
Normally Open Lid Configuration	**Recept # -NO**	With No Lockout Hole	**Inlet # -A155**

Feature Spotlight – Screw-Type Locking Pawl

Listing Requirement
Users must tighten screw to lock the plug in the mated position

5/16" hole for added security

Zone 2/Division 2 DS20 receptacles feature a standard screw-type locking pawl. This required feature allows the user to lock the plug to the receptacle by tightening a screw on the pawl.

For added security, a lockout hole is included on the receptacle that enables the user to insert a 5/16" lock or locking pin to prevent the plug from being disconnected or to lock the receptacle lid closed.

! See pages 243-252 for detailed information on these options

INSTALLATION ACCESSORIES – SIZE 2

Accessories rated for hazardous locations are not returnable.

HANDLES

HANDLE w/NPT		Part # Poly	Part # Metal
Poly Metal	1/2"	552P0N05	5K2P0N05
	3/4"	552P0N07	5K2P0N07
	1"	552P0N10	5K2P0N10
	1 1/4"	552P0N12	–

For available cord grips, see pg 169.

POLY HANDLE w/Cable Range		
	.20 - .82"	552P0D21

Cable Range	NPT	Cable Range	NPT
.312 - .625"	1/2"	.660 - 1.000"	1"
.438 - .812"	3/4"	.875 - 1.375"	1 1/4"

NPT sizes are determined by the cable diameter and third-party cord grip.

BOXES

POLY ANGLE WITH METAL BOX w/NPT				
* 28.7 in³	30°	1/2"	752C3N05	* Interior volume with receptacle installed.
	30°	3/4"	752C3N07	
	30°	1"	752C3N10	
	30°	1 1/4"	752C3N12	

METAL ANGLE WITH METAL BOX w/NPT				
* 28.7 in³	30°	1/2"	7K2C3N05	* Interior volume with receptacle installed.
	30°	3/4"	7K2C3N07	
	30°	1"	7K2C3N10	
	30°	1 1/4"	7K2C3N12	

POLY ANGLE WITH LARGER METAL BOX w/NPT				
* 75.0 in³	70°	1/2"	752C7N05	* Interior volume with receptacle installed.
	70°	3/4"	752C7N07	
	70°	1"	752C7N10	
	70°	1 1/4"	752C7N12	
	70°	1 1/2"	752C7N15	

NPT on top or bottom (if rotated). For other NPT configurations, contact Customer Service.

ANGLES

POLY ANGLE		
	30°	552M3

METAL ANGLE		
	0°	5K2M0
	30°	5K2M3

MISCELLANEOUS ACCESSORIES

FINGER DRAWPLATES		
	61-3A346	Set of Two (2) Recommended for easier connector closure.

PROTECTIVE INLET/PLUG CAP		
	31-1A426	For Inlets/Plugs Only.

RECEPTACLE LOCKING PIN		
	LP-843	

Notes: For Zone 2 DS dimensions refer to DS dimensions on pgs 57-58.

DS30 Hazardous Location Plugs & Receptacles – 30 A

Devices rated for hazardous locations are not returnable.

Ratings

- **Voltage**
  600 VAC
- **Current Interruption Capability**
  Not for current interrupting
- **Horsepower Ratings**

120 V	1Ø	1 1/2 hp
240 V	1Ø	3 hp
208 V	3Ø	5 hp
240 V	3Ø	5 hp
480 V	3Ø	15 hp
600 V	3Ø	15 hp

- **Short Circuit Rating**
  100 kA Withstand
  Tested with RK1 current limiting fuses sized at 400% of the highest full load motor ampacity.
- **Environmental Ratings**
  Type 4X
- **Temperature Range**
  Min -40°F/Max 104°F
  See pg 266 for temps below -15°F.
- **Wiring Capacity**
  Min 14 AWG Max 4 AWG
  Aux Contacts - Max 14 AWG
  Based on THHN wire sizes.
- **Applicable Standards**
  CSA C22.2 No. 182.1-07
  C22.2 No. 213-M1987
- **Hazardous Ratings**
  Class I, Division 2, Groups ABCD, T6
  Class I, Zone 2, IIC

Receptacle (female)

Inlet (male)

Hazardous Location DS30 lid is normally closed

! Don't forget to add installation accessories to your order

Voltage	Polarity	Part # Poly	Part # Poly
120 V	1P+N+G	35-34165-xxx-HAZ	35-38165-xxx-HAZ
120 208 V	3P+N+G	35-34167-xxx-HAZ	35-38167-xxx-HAZ
125 V	1P+N+G	35-34075-xxx-HAZ	35-38075-xxx-HAZ
125 250 V	2P+N+G	35-34076-xxx-HAZ	35-38076-xxx-HAZ
208 V	2P+G	35-34162-xxx-HAZ	35-38162-xxx-HAZ
208 V	3P+G	35-34163-xxx-HAZ	35-38163-xxx-HAZ
250 V	2P+G	35-34072-xxx-HAZ	35-38072-xxx-HAZ
250 V	3P+G	35-34073-xxx-HAZ	35-38073-xxx-HAZ
277 V	1P+N+G	35-34045-xxx-HAZ	35-38045-xxx-HAZ
277 480 V	3P+N+G	35-34047-xxx-HAZ	35-38047-xxx-HAZ
347 600 V	3P+N+G	35-34147-xxx-HAZ	35-38147-xxx-HAZ
480 V	2P+G	35-34042-xxx-HAZ	35-38042-xxx-HAZ
480 V	3P+G	35-34043-xxx-HAZ	35-38043-xxx-HAZ
600 V	2P+G	35-34142-xxx-HAZ	35-38142-xxx-HAZ
600 V	3P+G	35-34143-xxx-HAZ	35-38143-xxx-HAZ

The xxx represents any and all device options; if no options are needed, the xxx suffix should be omitted.

Part Number Example

480 V DS30 + 2 aux contacts

DS30 recept 3P+G = 35-34043-***972***-HAZ

480 V DS30 with no options

DS30 recept 3P+G = 35-34043-HAZ

Receptacle Options	Suffix #	Inlet Options	Suffix #
With 2 Auxiliary/Pilot Contacts	**Recept # -972**	With 2 Auxiliary/Pilot Contacts	**Inlet # -972**
With 3 Auxiliary/Pilot Contacts	**Recept # -973**	With 3 Auxiliary/Pilot Contacts	**Inlet # -973**
With 4 Auxiliary/Pilot Contacts	**Recept # -974**	With 4 Auxiliary/Pilot Contacts	**Inlet # -974**
Open Lid Configuration	**Recept # -NO**	With No Lockout Hole	**Inlet # -A155**

Feature Spotlight – Screw-Type Locking Pawl

Listing Requirement
Users must tighten screw to lock the plug in the mated position

5/16" hole for added security

Zone 2/Division 2 DS30 receptacles feature a standard screw-type locking pawl. This required feature allows the user to lock the plug to the receptacle by tightening a screw on the pawl.

For added security, a lockout hole is included on the receptacle that enables the user to insert a 5/16" lock or locking pin to prevent the plug from being disconnected or to lock the receptacle lid closed.

! See pages 243-252 for detailed information on these options

INSTALLATION ACCESSORIES – SIZE 3

Accessories rated for hazardous locations are not returnable.

HANDLES

HANDLE w/NPT		Part # Poly	Part # Metal
Poly	1/2"	553P0N05	5K3P0N05
	3/4"	553P0N07	5K3P0N07
Metal	1"	553P0N10	5K3P0N10
	1 1/4"	553P0N12	5K3P0N12

For available cord grips, see pg 169.

POLY HANDLE w/Cable Range		
	.39 - 1.18"	553P0D30

Cable Range	NPT	Cable Range	NPT
.312 - .625"	1/2"	.660 - 1.000"	1"
.438 - .812"	3/4"	.875 - 1.375"	1 1/4"

NPT sizes are determined by the cable diameter and third party cord grip.

BOXES

POLY ANGLE WITH METAL BOX w/NPT				
* 29.6 in³	30°	1/2"	753C3N05	* Interior volume with receptacle installed.
	30°	3/4"	753C3N07	
	30°	1"	753C3N10	
	30°	1 1/4"	753C3N12	

METAL ANGLE WITH METAL BOX w/NPT				
* 29.6 in³	30°	1/2"	7K3C3N05	* Interior volume with receptacle installed.
	30°	3/4"	7K3C3N07	
	30°	1"	7K3C3N10	
	30°	1 1/4"	7K3C3N12	

POLY ANGLE WITH LARGER METAL BOX w/NPT				
* 170.0 in³	70°	1/2"	753C7N05	* Interior volume with receptacle installed.
	70°	3/4"	753C7N07	
	70°	1"	753C7N10	
	70°	1 1/4"	753C7N12	
	70°	1 1/2"	753C7N15	

METAL ANGLE WITH METAL BOX w/NPT				
* 27.7 in³	70°	1/2"	7K3C7N05	* Interior volume with receptacle installed.
	70°	3/4"	7K3C7N07	
	70°	1"	7K3C7N10	
	70°	1 1/4"	7K3C7N12	

NPT on top or bottom (if rotated). For other NPT configurations, contact Customer Service.

ANGLES

POLY ANGLE		
	30°	553M3

METAL ANGLE		
	0°	5K3M0
	30°	5K3M3
	70°	5K3M7

MISCELLANEOUS ACCESSORIES

FINGER DRAWPLATES		
	61-6A346	Set of Two (2) Recommended for easier connector closure.

PROTECTIVE INLET/PLUG CAP		
	31-3A426	For Inlets/Plugs Only.

RECEPTACLE LOCKING PIN		
	LP-843	

Notes: For Zone 2 DS dimensions refer to DS dimensions on pgs 57-58.

HAZARDOUS LOCATION

DS60 Hazardous Location Plugs & Receptacles – 60 A

Devices rated for hazardous locations are not returnable.

Ratings

- **Voltage**
  600 VAC
- **Current Interruption Capability**
  Not for current interrupting
- **Horsepower Ratings**

120 V	1Ø	3 hp
240 V	1Ø	5 hp
208 V	3Ø	10 hp
240 V	3Ø	10 hp
480 V	3Ø	25 hp
600 V	3Ø	25 hp

- **Short Circuit Rating**
  100 kA Withstand
  Testing was performed with RK1 current limiting fuses sized at 400% of the highest full load motor ampacity associated with the devices hp rating.
- **Environmental Ratings**
  Type 4X
- **Temperature Range**
  Min -40°F/Max 104°F
  See pg 266 for temps below -15°F.
- **Wiring Capacity**
  Min 10 AWG Max 2 AWG
  Aux Contacts - Max 14 AWG
  Based on THHN wire sizes.
- **Applicable Standards**
  CSA C22.2 No. 182.1-07
  C22.2 No. 213-M1987
- **Hazardous Ratings**
  Class I, Division 2, Groups ABCD, T6
  Class I, Zone 2, IIC

Receptacle (female)

Inlet (male)

Hazardous Location DS60 lid is normally closed and opens to 120°

! Don't forget to add installation accessories to your order

Voltage	Polarity	Part # Metal	Part # Metal
120 V	1P+N+G	36-64165-xxx-HAZ	36-68165-xxx-HAZ
120 208 V	3P+N+G	36-64167-xxx-HAZ	36-68167-xxx-HAZ
125 V	1P+N+G	36-64075-xxx-HAZ	36-68075-xxx-HAZ
125 250 V	2P+N+G	36-64076-xxx-HAZ	36-68076-xxx-HAZ
208 V	2P+G	36-64162-xxx-HAZ	36-68162-xxx-HAZ
208 V	3P+G	36-64163-xxx-HAZ	36-68163-xxx-HAZ
250 V	2P+G	36-64072-xxx-HAZ	36-68072-xxx-HAZ
250 V	3P+G	36-64073-xxx-HAZ	36-68073-xxx-HAZ
277 V	1P+N+G	36-64045-xxx-HAZ	36-68045-xxx-HAZ
277 480 V	3P+N+G	36-64047-xxx-HAZ	36-68047-xxx-HAZ
347 600 V	3P+N+G	36-64147-xxx-HAZ	36-68147-xxx-HAZ
480 V	2P+G	36-64042-xxx-HAZ	36-68042-xxx-HAZ
480 V	3P+G	36-64043-xxx-HAZ	36-68043-xxx-HAZ
600 V	2P+G	36-64142-xxx-HAZ	36-68142-xxx-HAZ
600 V	3P+G	36-64143-xxx-HAZ	36-68143-xxx-HAZ

The xxx represents any and all device options; if no options are needed, the xxx suffix should be omitted.

Part Number Example

480 V DS60 + 2 aux contacts

DS60 recept 3P+G = 36-64043-***972***-HAZ

480 V DS60 with no options

DS60 recept 3P+G = 36-64043-HAZ

Receptacle Options	Suffix #	Inlet Options	Suffix #
With 2 Auxiliary/Pilot Contacts	**Recept # -972**	With 2 Auxiliary/Pilot Contacts	**Inlet # -972**
With 3 Auxiliary/Pilot Contacts	**Recept # -263**	With 3 Auxiliary/Pilot Contacts	**Inlet # -263**
With 4 Auxiliary/Pilot Contacts	**Recept # -264**	With 4 Auxiliary/Pilot Contacts	**Inlet # -264**
Normally Open Lid Configuration	**Recept # -NO**	With No Lockout Hole	**Inlet # -A155**
180° Opening Lid	**Recept # -180**		

Feature Spotlight – Screw-Type Locking Pawl

Listing Requirement
Users must tighten screw to lock the plug in the mated position

5/16" hole for added security

Zone 2/Division 2 DS60 receptacles feature a standard screw-type locking pawl. This required feature allows the user to lock the plug to the receptacle by tightening a screw on the pawl.

For added security, a lockout hole is included on the receptacle that enables the user to insert a 5/16" lock or locking pin to prevent the plug from being disconnected or to lock the receptacle lid closed.

! See pages 243-252 for detailed information on these options

INSTALLATION ACCESSORIES – SIZE 4

Accessories rated for hazardous locations are not returnable.

HANDLES

HANDLE w/NPT		Part # Poly	Part # Metal
Poly	1/2"	554P0N05	5K4P0N05
	3/4"	554P0N07	5K4P0N07
	1"	554P0N10	5K4P0N10
Metal	1 1/4"	554P0N12	5K4P0N12
	1 1/2"	554P0N15	5K4P0N15

For available cord grips, see pg 169.

POLY HANDLE w/Cable Range		
	.51 - 1.38"	554P0D35

Cable Range	NPT	Cable Range	NPT
.312 - .625"	1/2"	.875 - 1.375"	1 1/4"
.438 - .812"	3/4"	.890 - 1.812"	1 1/2"
.660 - 1.000"	1"		

NPT sizes are determined by the cable diameter and third party cord grip.

BOXES

POLY ANGLE WITH METAL BOX w/NPT			
* 61.0 in³	30°	1"	754C3N10
	30°	1 1/4"	754C3N12
	30°	1 1/2"	754C3N15
	30°	2"	754C3N20

* Interior volume with receptacle installed.

METAL ANGLE WITH METAL BOX w/NPT			
* 59.4 in³	30°	1"	7K4C3N10
	30°	1 1/4"	7K4C3N12
	30°	1 1/2"	7K4C3N15
	30°	2"	7K4C3N20

* Interior volume with receptacle installed.

METAL ANGLE WITH METAL BOX w/NPT			
* 91.0 in³	70°	1"	7K4C7N10
	70°	1 1/4"	7K4C7N12
	70°	1 1/2"	7K4C7N15
	70°	2"	7K4C7N20

* Interior volume with receptacle installed.

NPT on top or bottom (if rotated). For other NPT configurations, contact Customer Service.

ANGLES

POLY ANGLE		
	30°	554M3

METAL ANGLE		
	0°	5K4M0
	30°	5K4M3
	70°	5K4M7

MISCELLANEOUS ACCESSORIES

FINGER DRAWPLATES		
	31-6A346	Set of Two (2) Recommended for easier connector closure.

PROTECTIVE INLET/PLUG CAP		
	31-6A426	For Inlets/Plugs Only.

PADLOCKABLE INLET/PLUG CAP		
	DS6MC	Aluminum – For Inlets/Plugs Only. -A155 suffix required to maintain water ingress protection.

RECEPTACLE LOCKING PIN		
	LP-843	

HAZARDOUS LOCATION

Notes: For Zone 2 DS dimensions refer to DS dimensions on pgs 57-58.

DS100C Hazardous Location Plugs & Receptacles – 100 A

Devices rated for hazardous locations are not returnable.

Ratings

- **Voltage**
  600 VAC
- **Current Interruption Capability**
  Not for current interrupting
- **Horsepower Ratings**

120 V	1Ø	5 hp
240 V	1Ø	10 hp
208 V	3Ø	20 hp
240 V	3Ø	20 hp
480 V	3Ø	50 hp
600 V	3Ø	50 hp

- **Short Circuit Rating**
  100 kA Withstand
  Testing was performed with RK1 current limiting fuses sized at 400% of the highest full load motor ampacity associated with the devices hp rating.
- **Environmental Ratings**
  Type 4X
- **Temperature Range**
  Min -40°F/Max 104°F
  See pg 266 for temps below -15°F.
- **Wiring Capacity**
  Min 10 AWG Max 2 AWG
  Aux Contacts - Max 14 AWG
  Based on THHN wire sizes.
- **Applicable Standards**
  CSA C22.2 No. 182.1-07
  C22.2 No. 213-M1987
- **Hazardous Ratings**
  Class I, Division 2, Groups ABCD, T6
  Class I, Zone 2, IIC

Receptacle (female)

Inlet (male)

Hazardous Location DS100C lid is normally closed and opens to 120°

Don't forget to add installation accessories to your order

Voltage	Polarity	Part # Poly	Part # Metal	Part # Poly	Part # Metal
120 V	1P+N+G	35-64235-C-K16-xxx-HAZ	36-64235-C-K16-xxx-HAZ	35-68235-C-K16-xxx-HAZ	36-68235-C-K16-xxx-HAZ
120 208 V	3P+N+G	35-64237-C-K16-xxx-HAZ	36-64237-C-K16-xxx-HAZ	35-68237-C-K16-xxx-HAZ	36-68237-C-K16-xxx-HAZ
125 V	1P+N+G	35-64175-C-K07-xxx-HAZ	36-64175-C-K07-xxx-HAZ	35-68175-C-K07-xxx-HAZ	36-68175-C-K07-xxx-HAZ
125 250 V	2P+N+G	35-64176-C-K07-xxx-HAZ	36-64176-C-K07-xxx-HAZ	35-68176-C-K07-xxx-HAZ	36-68176-C-K07-xxx-HAZ
208 V	2P+G	35-64232-C-K16-xxx-HAZ	36-64232-C-K16-xxx-HAZ	35-68232-C-K16-xxx-HAZ	36-68232-C-K16-xxx-HAZ
208 V	3P+G	35-64233-C-K16-xxx-HAZ	36-64233-C-K16-xxx-HAZ	35-68233-C-K16-xxx-HAZ	36-68233-C-K16-xxx-HAZ
250 V	2P+G	35-64172-C-K07-xxx-HAZ	36-64172-C-K07-xxx-HAZ	35-68172-C-K07-xxx-HAZ	36-68172-C-K07-xxx-HAZ
250 V	3P+G	35-64173-C-K07-xxx-HAZ	36-64173-C-K07-xxx-HAZ	35-68173-C-K07-xxx-HAZ	36-68173-C-K07-xxx-HAZ
277 V	1P+N+G	35-64245-C-K04-xxx-HAZ	36-64245-C-K04-xxx-HAZ	35-68245-C-K04-xxx-HAZ	36-68245-C-K04-xxx-HAZ
277 480 V	3P+N+G	35-64247-C-K04-xxx-HAZ	36-64247-C-K04-xxx-HAZ	35-68247-C-K04-xxx-HAZ	36-68247-C-K04-xxx-HAZ
347 600 V	3P+N+G	35-64187-C-K14-xxx-HAZ	36-64187-C-K14-xxx-HAZ	35-68187-C-K14-xxx-HAZ	36-68187-C-K14-xxx-HAZ
480 V	2P+G	35-64242-C-K04-xxx-HAZ	36-64242-C-K04-xxx-HAZ	35-68242-C-K04-xxx-HAZ	36-68242-C-K04-xxx-HAZ
480 V	3P+G	35-64243-C-K04-xxx-HAZ	36-64243-C-K04-xxx-HAZ	35-68243-C-K04-xxx-HAZ	36-68243-C-K04-xxx-HAZ
600 V	2P+G	35-64182-C-K14-xxx-HAZ	36-64182-C-K14-xxx-HAZ	35-68182-C-K14-xxx-HAZ	36-68182-C-K14-xxx-HAZ
600 V	3P+G	35-64183-C-K14-xxx-HAZ	36-64183-C-K14-xxx-HAZ	35-68183-C-K14-xxx-HAZ	36-68183-C-K14-xxx-HAZ

The xxx represents any and all device options; if no options are needed, the xxx suffix should be omitted.

Part Number Example

480 V DS100C + 2 aux contacts

DS100C Poly recept 3P+G = 35-64243-C-K04-***972***-HAZ

480 V DS100C with no options

DS100C Poly recept 3P+G = 35-64243-C-K04-HAZ

Receptacle Options	Suffix #	Inlet Options	Suffix #
With 2 Auxiliary/Pilot Contacts	**Recept # -972**	With 2 Auxiliary/Pilot Contacts	**Inlet # -972**
With 3 Auxiliary/Pilot Contacts	**Recept # -263**	With 3 Auxiliary/Pilot Contacts	**Inlet # -263**
With 4 Auxiliary/Pilot Contacts	**Recept # -264**	With 4 Auxiliary/Pilot Contacts	**Inlet # -264**
Normally Open Lid Configuration	**Recept # -NO**	With No Lockout Hole	**Inlet # -A155**
180° Opening Lid (metal only)	**Recept # -180**		

See pages 243-252 for detailed information on these options

Feature Spotlight – Screw-Type Locking Pawl

Listing Requirement
Users must tighten screw to lock the plug in the mated position

5/16" hole for added security

Zone 2/Division 2 DS100C receptacles feature a standard screw-type locking pawl. This required feature allows the user to lock the plug to the receptacle by tightening a screw on the pawl.

For added security, a lockout hole is included on the receptacle that enables the user to insert a 5/16" lock or locking pin to prevent the plug from being disconnected or to lock the receptacle lid closed.

INSTALLATION ACCESSORIES – SIZE 4

Accessories rated for hazardous locations are not returnable.

HANDLES

HANDLE w/NPT		Part # Poly	Part # Metal
Poly	1/2"	554P0N05	5K4P0N05
	3/4"	554P0N07	5K4P0N07
	1"	554P0N10	5K4P0N10
Metal	1 1/4"	554P0N12	5K4P0N12
	1 1/2"	554P0N15	5K4P0N15

For available cord grips, see pg 169.

POLY HANDLE w/Cable Range		
	.51 - 1.38"	554P0D35

Cable Range	NPT	Cable Range	NPT
.312 - .625"	1/2"	.875 - 1.375"	1 1/4"
.438 - .812"	3/4"	.890 - 1.812"	1 1/2"
.660 - 1.000"	1"		

NPT sizes are determined by the cable diameter and third-party cord grip.

BOXES

POLY ANGLE WITH METAL BOX w/NPT				
* 61.0 in³	30°	1"	754C3N10	* Interior volume with receptacle installed.
	30°	1 1/4"	754C3N12	
	30°	1 1/2"	754C3N15	
	30°	2"	754C3N20	
METAL ANGLE WITH METAL BOX w/NPT				
* 59.4 in³	30°	1"	7K4C3N10	* Interior volume with receptacle installed.
	30°	1 1/4"	7K4C3N12	
	30°	1 1/2"	7K4C3N15	
	30°	2"	7K4C3N20	
METAL ANGLE WITH METAL BOX w/NPT				
* 170.0 in³	70°	1"	7K4C7N10	* Interior volume with receptacle installed.
	70°	1 1/4"	7K4C7N12	
	70°	1 1/2"	7K4C7N15	
	70°	2"	7K4C7N20	

NPT on top or bottom (if rotated). For other NPT configurations, contact Customer Service.

ANGLES

POLY ANGLE		
	30°	554M3
METAL ANGLE		
	0°	5K4M0
	30°	5K4M3
	70°	5K4M7

MISCELLANEOUS ACCESSORIES

FINGER DRAWPLATES		
	31-6A346	Set of Two (2) Recommended for cord to cord assembly applications, for easier connector closure.
PROTECTIVE INLET/PLUG CAP		
	31-6A426	For Inlets/Plugs Only.
PADLOCKABLE INLET/PLUG CAP		
	DS6MC	Aluminum – For Inlets/Plugs Only. -A155 suffix required to maintain water ingress protection.
RECEPTACLE LOCKING PIN		
	LP-843	

Notes: For Zone 2 DS dimensions refer to DS dimensions on pgs 57-58.

HAZARDOUS LOCATION

DSN150 Hazardous Location Plugs & Receptacles – 150 A

Devices rated for hazardous locations are not returnable.

Ratings

- **Voltage**
  600 VAC
- **Current Interruption Capability**
  Not for current interrupting
- **Horsepower Ratings**

120 V	1Ø	7 1/2 hp
240 V	1Ø	20 hp
208 V	3Ø	30 hp
240 V	3Ø	30 hp
480 V	3Ø	75 hp
600 V	3Ø	75 hp

- **Short Circuit Rating**
  100 kA Withstand
  Testing was performed with 225 A RK1 non-time delay Mersen fuses.
  10 kA Withstand
  Testing was performed with 400 A RK1 non-time delay Mersen fuses.
- **Environmental Ratings**
  Type 4X
- **Temperature Range**
  Min -40°F/Max 104°F
  See pg 266 for temps below -15°F.
- **Wiring Capacity**
  Min 4 AWG Max 2/0 AWG
  Aux Contacts - Max 14 AWG
- **Applicable Standards**
  CSA C22.2 No. 182.1-07
  C22.2 No. 213-M1987
- **Hazardous Ratings**
  Class I, Division 2, Groups ABCD, T6
  Class I, Zone 2, IIC

Receptacle (female)

Inlet (male)

Hazardous Location DSN150 lid is normally closed and opens to 180°

! Don't forget to add installation accessories to your order

Voltage	Polarity	Part # Metal	Part # Metal
120 V	1P+N+G	66-94165-xxx-HAZ	66-98165-xxx-HAZ
120 208 V	3P+N+G	66-94167-xxx-HAZ	66-98167-xxx-HAZ
125 V	1P+N+G	66-94075-xxx-HAZ	66-98075-xxx-HAZ
125 250 V	2P+N+G	66-94076-xxx-HAZ	66-98076-xxx-HAZ
208 V	2P+G	66-94162-xxx-HAZ	66-98162-xxx-HAZ
208 V	3P+G	66-94163-xxx-HAZ	66-98163-xxx-HAZ
250 V	2P+G	66-94072-xxx-HAZ	66-98072-xxx-HAZ
250 V	3P+G	66-94073-xxx-HAZ	66-98073-xxx-HAZ
277 V	1P+N+G	66-94045-xxx-HAZ	66-98045-xxx-HAZ
277 480 V	3P+N+G	66-94047-xxx-HAZ	66-98047-xxx-HAZ
347 600 V	3P+N+G	66-94147-xxx-HAZ	66-98147-xxx-HAZ
480 V	2P+G	66-94042-xxx-HAZ	66-98042-xxx-HAZ
480 V	3P+G	66-94043-xxx-HAZ	66-98043-xxx-HAZ
600 V	2P+G	66-94142-xxx-HAZ	66-98142-xxx-HAZ
600 V	3P+G	66-94143-xxx-HAZ	66-98143-xxx-HAZ

The xxx represents any and all device options; if no options are needed, the xxx suffix should be omitted.

Part Number Example

480 V DSN150 + 2 aux contacts

DSN150 recept 3P+G = 66-94043-***262***-HAZ

480 V DSN150 with no options

DSN150 recept 3P+G = 66-94043-HAZ

Receptacle Options	Suffix #	Inlet Options	Suffix #
With 2 Auxiliary/Pilot Contacts	**Recept # -262**	With 2 Auxiliary/Pilot Contacts	**Inlet # -262**
With 4 Auxiliary/Pilot Contacts	**Recept # -264**	With 4 Auxiliary/Pilot Contacts	**Inlet # -264**
With 6 Auxiliary/Pilot Contacts	**Recept # -976**	With 6 Auxiliary/Pilot Contacts	**Inlet # -976**
Normally Open Lid Configuration	**Recept # -NO**	With No Lockout Hole	**Inlet # -A155**

Notes: ++ Required when mating to panel mounted male inlet.

! See pages 243-252 for detailed information on these options

Feature Spotlight – Screw-Type Locking Pawl

Listing Requirement
Users must tighten screw to lock the plug in the mated position

5/16" hole for added security

Zone 2/Division 2 DSN150 receptacles feature a standard screw-type locking pawl. This required feature allows the user to lock the plug to the receptacle by tightening a screw on the pawl. For added security, a lockout hole is included on the receptacle that enables the user to insert a 5/16" lock or locking pin to prevent the plug from being disconnected or to lock the receptacle lid closed.

INSTALLATION ACCESSORIES – SIZE 5

Accessories rated for hazardous locations are not returnable.

HANDLES

METAL HANDLE w/NPT		Part #	
Metal	3/4"	5K5P0N07	For available third-party cord grips, consult factory.
	1"	5K5P0N10	
	1 1/4"	5K5P0N12	
	1 1/2"	5K5P0N15	
	2"	5K5P0N20	

OVERSIZED METAL HANDLE w/NPT		
	3/4"	7K5P0N07
	1"	7K5P0N10
	1 1/4"	7K5P0N12
	1 1/2"	7K5P0N15
	2"	7K5P0N20
	2 1/2"	7K5P0N25

SANTOPRENE HANDLE w/Cable Range		
IP66/IP67	.70 - 1.000"	555P0D25
	.984 - 1.377"	555P0D35
	1.378 - 1.771"	555P0D45

BOXES

METAL ANGLE WITH METAL BOX w/NPT				
111.8 in³⁺	30°	1 1/4"	7K5C3N12	* Interior volume with receptacle installed.
	30°	1 1/2"	7K5C3N15	
	30°	2"	7K5C3N20	
	30°	2 1/2"	7K5C3N25	

METAL ANGLE WITH METAL BOX w/NPT				
175.0 in³⁺	70°	1 1/4"	7K5C7N12	* Interior volume with receptacle installed.
	70°	1 1/2"	7K5C7N15	
	70°	2"	7K5C7N20	
	70°	2 1/2"	7K5C7N25	

NPT on top or bottom (if rotated). For other NPT configurations, contact Customer Service.

Cable Range	NPT	Cable Range	NPT
.438 - .812"	3/4"	.890" - 1.812"	1 1/2"
.660 - 1.000"	1"	1.190" - 2.438"	2"
.875 - 1.375"	1 1/4"	2.062" - 2.438"	2 1/2"

NPT sizes are determined by the cable diameter and third-party cord grip.

ANGLES

METAL ANGLE		
	0°	5K5M0
	30°	5K5M3
	70°	5K5M7

MISCELLANEOUS ACCESSORIES

PROTECTIVE INLET/PLUG CAP		
	31-9A426	For Inlets/Plugs Only.

PADLOCKABLE INLET/PLUG CAP		
	DS9MC	Aluminum – For Inlets/Plugs Only. -A155 suffix required to maintain water ingress protection.

CORD GRIP	
	see pg 169

RECEPTACLE LOCKING PIN	
	LP-843

HAZARDOUS LOCATION

Notes: For Zone 2 DSN dimensions refer to DSN dimensions on pgs 39-40.

DS200 Hazardous Location Plugs & Receptacles – 200 A

Devices rated for hazardous locations are not returnable.

Ratings

- **Voltage**
  600 VAC
- **Current Interruption Capability**
  Not for current interrupting
- **Horsepower Ratings**

208 V	3Ø	40 hp
240 V	3Ø	40 hp
480 V	3Ø	100 hp
600 V	3Ø	100 hp

- **Short Circuit Rating**
  65 kA Close & Withstand
  Testing was performed with RK5 time delay fuses sized at 100% of the device's rated ampacity.
  10 kA Close & Withstand
  Testing was performed with RK1 current limiting fuses sized at 400% of the highest full load motor ampacity.
- **Environmental Ratings**
  Type 4X
- **Temperature Range**
  Min -40°F/Max 104°F
  See pg 266 for temps below -15°F.
- **Wiring Capacity**
  Min 4 AWG Max 4/0 AWG
  Aux Contacts - Max 14 AWG
  Based on THHN wire sizes.
- **Applicable Standards**
  CSA C22.2 No. 182.1-07
  C22.2 No. 213-M1987
- **Hazardous Ratings**
  Class I, Division 2, Groups ABCD, T6
  Class I, Zone 2, IIC

Receptacle (female) **Inlet (male)**

Standard Hazardous Location DS200 lid is normally closed and opens to 90° (degrees)

! Don't forget to add installation accessories to your order

Voltage	Polarity	Part # Metal	Part # Metal
120 V	1P+N+G	36-24165-xxx-HAZ	36-28165-xxx-HAZ
120 208 V	3P+N+G	36-24167-xxx-HAZ	36-28167-xxx-HAZ
125 V	1P+N+G	36-24075-xxx-HAZ	36-28075-xxx-HAZ
125 250 V	2P+N+G	36-24076-xxx-HAZ	36-28076-xxx-HAZ
208 V	2P+G	36-24162-xxx-HAZ	36-28162-xxx-HAZ
208 V	3P+G	36-24163-xxx-HAZ	36-28163-xxx-HAZ
250 V	2P+G	36-24072-xxx-HAZ	36-28072-xxx-HAZ
250 V	3P+G	36-24073-xxx-HAZ	36-28073-xxx-HAZ
277 V	1P+N+G	36-24045-xxx-HAZ	36-28045-xxx-HAZ
277 480 V	3P+N+G	36-24047-xxx-HAZ	36-28047-xxx-HAZ
347 600 V	3P+N+G	36-24147-xxx-HAZ	36-28147-xxx-HAZ
480 V	2P+G	36-24042-xxx-HAZ	36-28042-xxx-HAZ
480 V	3P+G	36-24043-xxx-HAZ	36-28043-xxx-HAZ
600 V	2P+G	36-24142-xxx-HAZ	36-28142-xxx-HAZ
600 V	3P+G	36-24143-xxx-HAZ	36-28143-xxx-HAZ

The xxx represents any and all device options; if no options are needed, the xxx suffix should be omitted.

Part Number Example

480 V DS200 + 2 aux contacts
DS200 recept 3P+G = 36-24043-***972***-HAZ

480 V DS200 with no options
DS200 recept 3P+G = 36-24043-HAZ

Receptacle Options	Suffix #	Inlet Options	Suffix #
With 2 Auxiliary/Pilot Contacts	**Recept # -972**	With 2 Auxiliary/Pilot Contacts	**Inlet # -972**
With 4 Auxiliary/Pilot Contacts	**Recept # -174**	With 4 Auxiliary/Pilot Contacts	**Inlet # -174**
With 6 Auxiliary/Pilot Contacts	**Recept # -976**	With 6 Auxiliary/Pilot Contacts	**Inlet # -976**
180° Opening Lid	**Recept # -180++**	With No Lockout Hole	**Inlet # -A155**
Normally Open Lid Configuration	**Recept # -NO**		

Notes: ++ Required when mating to panel mounted male inlet.

! See pages 243-252 for detailed information on these options

Feature Spotlight – Screw-Type Locking Pawl

Zone 2/Division 2 DS200 receptacles feature a standard screw-type locking pawl. This required feature allows the user to lock the plug to the receptacle by tightening a screw on the pawl. For added security, a lockout hole is included on the receptacle that enables the user to insert a 5/16" lock or locking pin to prevent the plug from being disconnected or to lock the receptacle lid closed.

INSTALLATION ACCESSORIES – SIZE 6

Accessories rated for hazardous locations are not returnable.

HANDLES

HANDLE w/NPT	Part # Metal
1"	**5K6P0N10**
1 1/4"	**5K6P0N12**
1 1/2"	**5K6P0N15**
2"	**5K6P0N20**
2 1/2"	**5K6P0N25**
3"	**5K6P0N30**

Metal

For available cord grips, see pg 169.

SANTOPRENE HANDLE w/Cable Range	
.984 - 1.378"	**556P0D35**
1.378 - 1.772"	**556P0D45**
1.772 - 1.929"	**556P0D49**

IP66/IP67

BOXES

METAL ANGLE WITH METAL BOX w/NPT		Part #
60°	1 1/2"	**7K6C6N15**
60°	2"	**7K6C6N20**
60°	2 1/2"	**7K6C6N25**

* 248.4 in^3

* Interior volume with receptacle installed.

NPT on top or bottom (if rotated). For other NPT configurations, contact Customer Service.

Cable Range	NPT	Cable Range	NPT
.660 - 1.000"	1"	1.190 - 2.438"	2"
.875 - 1.375"	1 1/4"	2.062 - 2.438"	2 1/2"
.890 - 1.812"	1 1/2"	2.438 - 2.812"	3"

NPT sizes are determined by the cable diameter and third party cord grip.

ANGLES

METAL ANGLE		
	0°	**5K6M0**
	60°	**5K6M6**

MISCELLANEOUS ACCESSORIES

PROTECTIVE INLET/PLUG CAP		
	39-2A426	For Inlets/Plugs Only.

PADLOCKABLE INLET/PLUG CAP		
	DS2MC	Aluminum – For Inlets/Plugs Only. -A155 suffix required to maintain water ingress protection.

CORD GRIP with MESH	
	see pg 169

RECEPTACLE LOCKING PIN	
	LP-843

Notes: For Zone 2 DS dimensions refer to DS dimensions on pgs 57-58.

DR30 Hazardous Location Plugs & Receptacles – 30 A

Devices rated for hazardous locations are not returnable.

Ratings

- **Voltage**
  600 VAC
- **Current Interruption Capability**
  Not for current interrupting
- **Short Circuit Rating**
  100 kA Withstand
  Testing was performed with RK1 current limiting fuses sized at 100% of the device's ampacity rating.
- **Environmental Ratings**
  Type 4X
- **Temperature Range**
  Min -40°F/Max 104°F
  See pg 266 for temps below -15°F.
- **Wiring Capacity**
  Min 14 AWG Max 8 AWG
  Aux Contacts - Max 14 AWG
  Based on THHN wire sizes.
- **Applicable Standards**
  CSA C22.2 No. 182.1-07
  C22.2 No. 213-M1987
- **Hazardous Ratings**
  Class I, Division 2, Groups ABCD, T6
  Class I, Zone 2, IIC

Receptacle (female)

Inlet (male)

Hazardous Location DR30 lid is normally closed

! Don't forget to add installation accessories to your order

Voltage	Polarity	Part # Poly	Part # Poly
120 V	1P+N+G	35-14235-K16-xxx-HAZ	35-18235-K16-xxx-HAZ
120 208 V	3P+N+G	35-14237-K16-xxx-HAZ	35-18237-K16-xxx-HAZ
125 V	1P+N+G	35-14175-K07-xxx-HAZ	35-18175-K07-xxx-HAZ
125 250 V	2P+N+G	35-14176-K07-xxx-HAZ	35-18176-K07-xxx-HAZ
208 V	2P+G	35-14232-K16-xxx-HAZ	35-18232-K16-xxx-HAZ
208 V	3P+G	35-14233-K16-xxx-HAZ	35-18233-K16-xxx-HAZ
250 V	2P+G	35-14172-K07-xxx-HAZ	35-18172-K07-xxx-HAZ
250 V	3P+G	35-14173-K07-xxx-HAZ	35-18173-K07-xxx-HAZ
277 V	1P+N+G	35-14245-K04-xxx-HAZ	35-18245-K04-xxx-HAZ
277 480 V	3P+N+G	35-14247-K04-xxx-HAZ	35-18247-K04-xxx-HAZ
347 600 V	3P+N+G	35-14187-K14-xxx-HAZ	35-18187-K14-xxx-HAZ
480 V	2P+G	35-14242-K04-xxx-HAZ	35-18242-K04-xxx-HAZ
480 V	3P+G	35-14243-K04-xxx-HAZ	35-18243-K04-xxx-HAZ
600 V	2P+G	35-14182-K14-xxx-HAZ	35-18182-K14-xxx-HAZ
600 V	3P+G	35-14183-K14-xxx-HAZ	35-18183-K14-xxx-HAZ

The xxx represents any and all device options; if no options are needed, the xxx suffix should be omitted.

Part Number Example

480 V DR30 + 2 aux contacts

DR30 recept 3P+G = 35-14243-K04-***972***-HAZ

480 V DR30 with no options

DR30 recept 3P+G = 35-14243-K04-HAZ

Receptacle Options	Suffix #	Inlet Options	Suffix #
With 2 Auxiliary/Pilot Contacts	**Recept # -972**	With 2 Auxiliary/Pilot Contacts	**Inlet # -972**
Normally Open Lid Configuration	**Recept # - NO**	With No Lockout Hole	**Inlet # -A155**

! See pages 243-252 for detailed information on these options

Feature Spotlight – Screw-Type Locking Pawl

! **Listing Requirement**
Users must tighten screw to lock the plug in the mated position

5/16" hole for added security

Zone 2/Division 2 DR30 receptacles feature a standard screw-type locking pawl. This required feature allows the user to lock the plug to the receptacle by tightening a screw on the pawl.

For added security, a lockout hole is included on the receptacle that enables the user to insert a 5/16" lock or locking pin to prevent the plug from being disconnected or to lock the receptacle lid closed.

INSTALLATION ACCESSORIES – SIZE 2

Accessories rated for hazardous locations are not returnable.

HANDLES

HANDLE w/NPT		Part # Poly	Part # Metal
Poly Metal	1/2"	552P0N05	5K2P0N05
	3/4"	552P0N07	5K2P0N07
	1"	552P0N10	5K2P0N10
	1 1/4"	552P0N12	–

For available cord grips, see pg 169.

POLY HANDLE w/Cable Range		
	.20 - .82"	552P0D21

Cable Range	NPT	Cable Range	NPT
.312 - .625"	1/2"	.660 - 1.000"	1"
.438 - .812"	3/4"	.875 - 1.375"	1 1/4"

NPT sizes are determined by the cable diameter and third party cord grip.

BOXES

POLY ANGLE WITH METAL BOX w/NPT				
* 28.7 in³	30°	1/2"	752C3N05	* Interior volume with receptacle installed.
	30°	3/4"	752C3N07	
	30°	1"	752C3N10	
	30°	1 1/4"	752C3N12	

METAL ANGLE WITH METAL BOX w/NPT				
* 28.7 in³	30°	1/2"	7K2C3N05	* Interior volume with receptacle installed.
	30°	3/4"	7K2C3N07	
	30°	1"	7K2C3N10	
	30°	1 1/4"	7K2C3N12	

POLY ANGLE WITH LARGER METAL BOX w/NPT				
* 75.0 in³	70°	1/2"	752C7N05	* Interior volume with receptacle installed.
	70°	3/4"	752C7N07	
	70°	1"	752C7N10	
	70°	1 1/4"	752C7N12	
	70°	1 1/2"	752C7N15	

NPT on top or bottom (if rotated). For other NPT configurations, contact Customer Service.

ANGLES

POLY ANGLE		
	30°	552M3

METAL ANGLE		
	0°	5K2M0
	30°	5K2M3

MISCELLANEOUS ACCESSORIES

FINGER DRAWPLATES		
	61-3A346	Set of Two (2) Recommended for easier connector closure.

PROTECTIVE INLET/PLUG CAP		
	31-1A426	For Inlets/Plugs Only.

RECEPTACLE LOCKING PIN	
	LP-843

HAZARDOUS LOCATION

Notes: For Zone 2 DR dimensions refer to DR dimensions on pgs 103-104.

DR50 Hazardous Location Plugs & Receptacles – 50 A

Devices rated for hazardous locations are not returnable.

Ratings

- **Voltage**
  600 VAC
- **Current Interruption Capability**
  Not for current interrupting
- **Short Circuit Rating**
  100 kA Withstand
  Testing was performed with RK1 current limiting fuses sized at 100% of the device's ampacity rating.
- **Environmental Ratings**
  Type 4X
- **Temperature Range**
  Min -40°F/Max 104°F
  See pg 266 for temps below -15°F.
- **Wiring Capacity**
  Min 14 AWG Max 4 AWG
  Aux Contacts - Max 14 AWG
  Based on THHN wire sizes.
- **Applicable Standards**
  CSA C22.2 No. 182.1-07
  C22.2 No. 213-M1987
- **Hazardous Ratings**
  Class I, Division 2, Groups ABCD, T6
  Class I, Zone 2, IIC

Receptacle (female) **Inlet (male)**

Hazardous Location DR50 lid is normally closed

! Don't forget to add installation accessories to your order

Voltage	Polarity	Part # Poly	Part # Poly
120 V	1P+N+G	35-34235-K16-xxx-HAZ	35-38235-K16-xxx-HAZ
120 208 V	3P+N+G	35-34237-K16-xxx-HAZ	35-38237-K16-xxx-HAZ
125 V	1P+N+G	35-34175-K07-xxx-HAZ	35-38175-K07-xxx-HAZ
125 250 V	2P+N+G	35-34176-K07-xxx-HAZ	35-38176-K07-xxx-HAZ
208 V	2P+G	35-34232-K16-xxx-HAZ	35-38232-K16-xxx-HAZ
208 V	3P+G	35-34233-K16-xxx-HAZ	35-38233-K16-xxx-HAZ
250 V	2P+G	35-34172-K07-xxx-HAZ	35-38172-K07-xxx-HAZ
250 V	3P+G	35-34173-K07-xxx-HAZ	35-38173-K07-xxx-HAZ
277 V	1P+N+G	35-34245-K04-xxx-HAZ	35-38245-K04-xxx-HAZ
277 480 V	3P+N+G	35-34247-K04-xxx-HAZ	35-38247-K04-xxx-HAZ
347 600 V	3P+N+G	35-34187-K14-xxx-HAZ	35-38187-K14-xxx-HAZ
480 V	2P+G	35-34242-K04-xxx-HAZ	35-38242-K04-xxx-HAZ
480 V	3P+G	35-34243-K04-xxx-HAZ	35-38243-K04-xxx-HAZ
600 V	2P+G	35-34182-K14-xxx-HAZ	35-38182-K14-xxx-HAZ
600 V	3P+G	35-34183-K14-xxx-HAZ	35-38183-K14-xxx-HAZ

The xxx represents any and all device options; if no options are needed, the xxx suffix should be omitted.

Part Number Example

480 V DR50 + 2 aux contacts

DR50 recept 3P+G = 35-34243-K04-***972***-HAZ

480 V DR50 with no options

DR50 recept 3P+G = 35-34243-K04-HAZ

Receptacle Options	Suffix #	Inlet Options	Suffix #
With 2 Auxiliary/Pilot Contacts	**Recept # -972**	With 2 Auxiliary/Pilot Contacts	**Inlet # -972**
With 3 Auxiliary/Pilot Contacts	**Recept # -973**	With 3 Auxiliary/Pilot Contacts	**Inlet # -973**
With 4 Auxiliary/Pilot Contacts	**Recept # -974**	With 4 Auxiliary/Pilot Contacts	**Inlet # -974**
Open Lid Configuration	**Recept # - NO**	With No Lockout Hole	**Inlet # -A155**

Feature Spotlight – Screw-Type Locking Pawl

Listing Requirement
Users must tighten screw to lock the plug in the mated position

5/16" hole for added security

Zone 2/Division 2 DR50 receptacles feature a standard screw-type locking pawl. This required feature allows the user to lock the plug to the receptacle by tightening a screw on the pawl.

For added security, a lockout hole is included on the receptacle that enables the user to insert a 5/16" lock or locking pin to prevent the plug from being disconnected or to lock the receptacle lid closed.

! See pages 243-252 for detailed information on these options

INSTALLATION ACCESSORIES – SIZE 3

Accessories rated for hazardous locations are not returnable.

HANDLES

HANDLE w/NPT		Part # Poly	Part # Metal
poly metal	1/2"	553P0N05	5K3P0N05
	3/4"	553P0N07	5K3P0N07
	1"	553P0N10	5K3P0N10
	1 1/4"	553P0N12	5K3P0N12

For available cord grips, see pg 169.

POLY HANDLE w/Cable Range		
	.39 - 1.18"	553P0D30

Cable Range	NPT	Cable Range	NPT
.312 - .625"	1/2"	.660 - 1.000"	1"
.438 - .812"	3/4"	.875 - 1.375"	1 1/4"

NPT sizes are determined by the cable diameter and third party cord grip.

BOXES

POLY ANGLE WITH METAL BOX w/NPT				
* 29.6 in³	30°	1/2"	753C3N05	* Interior volume with receptacle installed.
	30°	3/4"	753C3N07	
	30°	1"	753C3N10	
	30°	1 1/4"	753C3N12	

METAL ANGLE WITH METAL BOX w/NPT				
* 29.6 in³	30°	1/2"	7K3C3N05	* Interior volume with receptacle installed.
	30°	3/4"	7K3C3N07	
	30°	1"	7K3C3N10	
	30°	1 1/4"	7K3C3N12	

POLY ANGLE WITH LARGER METAL BOX w/NPT				
* 170.0 in³	70°	1/2"	753C7N05	* Interior volume with receptacle installed.
	70°	3/4"	753C7N07	
	70°	1"	753C7N10	
	70°	1 1/4"	753C7N12	
	70°	1 1/2"	753C7N15	

METAL ANGLE WITH METAL BOX w/NPT				
* 27.7 in³	70°	1/2"	7K3C7N05	* Interior volume with receptacle installed.
	70°	3/4"	7K3C7N07	
	70°	1"	7K3C7N10	
	70°	1 1/4"	7K3C7N12	

NPT on top or bottom (if rotated). For other NPT configurations, contact Customer Service.

ANGLES

POLY ANGLE		
	30°	553M3

METAL ANGLE		
	0°	5K3M0
	30°	5K3M3
	70°	5K3M7

MISCELLANEOUS ACCESSORIES

FINGER DRAWPLATES		
	61-6A346	Set of Two (2) Recommended for easier connector closure.

PROTECTIVE INLET/PLUG CAP		
	31-3A426	For Inlets/Plugs Only.

RECEPTACLE LOCKING PIN		
	LP-843	

Notes: For Zone 2 DR dimensions refer to DR dimensions on pgs 103-104

DR250 Hazardous Location Plugs & Receptacles – 250 A

Devices rated for hazardous locations are not returnable.

Ratings

- **Voltage**
  600 VAC
- **Current Interruption Capability**
  Not for current interrupting
- **Short Circuit Rating**
  10 kA Withstand
  Testing was performed with RK1 current limiting fuses sized at 100% of the device's ampacity rating.
- **Environmental Ratings**
  Type 4X
- **Temperature Range**
  Min -40°F/Max 104°F
  See pg 266 for temps below -15°F.
- **Wiring Capacity**
  Min 4 AWG Max 4/0 AWG
  Aux Contacts - Max 14 AWG
  Based on THHN wire sizes.
- **Applicable Standards**
  CSA C22.2 No. 182.1-07
  C22.2 No. 213-M1987
- **Hazardous Ratings**
  Class I, Division 2, Groups ABCD, T6
  Class I, Zone 2, IIC

Receptacle (female) **Inlet (male)**

Standard Hazardous Location DR250 lid is normally closed and opens to 90°

! Don't forget to add installation accessories to your order

Voltage	Polarity	Part # Metal	Part # Metal
120 V	1P+N+G	36-24235-K16-xxx-HAZ	36-28235-K16-xxx-HAZ
120 208 V	3P+N+G	36-24237-K16-xxx-HAZ	36-28237-K16-xxx-HAZ
125 V	1P+N+G	36-24035-K07-xxx-HAZ	36-28035-K07-xxx-HAZ
125 250 V	2P+N+G	36-24036-K07-xxx-HAZ	36-28036-K07-xxx-HAZ
208 V	2P+G	36-24232-K16-xxx-HAZ	36-28232-K16-xxx-HAZ
208 V	3P+G	36-24233-K16-xxx-HAZ	36-28233-K16-xxx-HAZ
250 V	2P+G	36-24032-K07-xxx-HAZ	36-28032-K07-xxx-HAZ
250 V	3P+G	36-24033-K07-xxx-HAZ	36-28033-K07-xxx-HAZ
277 V	1P+N+G	36-24245-K04-xxx-HAZ	36-28245-K04-xxx-HAZ
277 480 V	3P+N+G	36-24247-K04-xxx-HAZ	36-28247-K04-xxx-HAZ
347 600 V	3P+N+G	36-24027-K14-xxx-HAZ	36-28027-K14-xxx-HAZ
480 V	2P+G	36-24242-K04-xxx-HAZ	36-28242-K04-xxx-HAZ
480 V	3P+G	36-24243-K04-xxx-HAZ	36-28243-K04-xxx-HAZ
600 V	2P+G	36-24022-K14-xxx-HAZ	36-28022-K14-xxx-HAZ
600 V	3P+G	36-24023-K14-xxx-HAZ	36-28023-K14-xxx-HAZ

The xxx represents any and all device options; if no options are needed, the xxx suffix should be omitted.

Part Number Example

480 V DR250 + 2 aux contacts
DR250 recept 3P+G = 36-24243-K04-***972***-HAZ

480 V DR250 with no options
DR250 recept 3P+G = 36-24243-K04-HAZ

Receptacle Options	Suffix #	Inlet Options	Suffix #
With 2 Auxiliary/Pilot Contacts	**Recept # -972**	With 2 Auxiliary/Pilot Contacts	**Inlet # -972**
With 4 Auxiliary/Pilot Contacts	**Recept # -174**	With 3 Auxiliary/Pilot Contacts	**Inlet # -174**
With 6 Auxiliary/Pilot Contacts	**Recept # -976**	With 4 Auxiliary/Pilot Contacts	**Inlet # -976**
Normally Open Lid Configuration	**Recept # - NO**	With No Lockout Hole	**Inlet # -A155**
180° Opening Lid	**Recept # -180**		

Feature Spotlight – Screw-Type Locking Pawl

Listing Requirement
Users must tighten screw to lock the plug in the mated position

Zone 2/Division 2 DR250 receptacles feature a standard screw-type locking pawl. This required feature allows the user to lock the plug to the receptacle by tightening a screw on the pawl.

For added security, a lockout hole is included on the receptacle that enables the user to insert a 5/16" lock or locking pin to prevent the plug from being disconnected or to lock the receptacle lid closed.

! See pages 243-252 for detailed information on these options

INSTALLATION ACCESSORIES – SIZE 6

Accessories rated for hazardous locations are not returnable.

HANDLES

HANDLE w/NPT	Part # Metal
1"	5K6P0N10
1 1/4"	5K6P0N12
1 1/2"	5K6P0N15
2"	5K6P0N20
2 1/2"	5K6P0N25
3"	5K6P0N30

For available cord grips, see pg 169.

SANTOPRENE HANDLE w/Cable Range	
.984 - 1.378"	556P0D35
1.378 - 1.772"	556P0D45
1.772 - 1.929"	556P0D49

IP66/IP67

BOXES

* 248.4 in^3

METAL ANGLE WITH METAL BOX w/NPT		Part #
60°	1 1/2"	7K6C6N15
60°	2"	7K6C6N20
60°	2 1/2"	7K6C6N25

* Interior volume with receptacle installed.

NPT on top or bottom (if rotated). For other NPT configurations, contact Customer Service.

Cable Range	NPT	Cable Range	NPT
.660 - 1.000"	1"	1.190 - 2.438"	2"
.875 - 1.375"	1 1/4"	2.062 - 2.438"	2 1/2"
.890 - 1.812"	1 1/2"	2.438 - 2.812"	3"

NPT sizes are determined by the cable diameter and third party cord grip.

ANGLES

METAL ANGLE		
	0°	5K6M0
	60°	5K6M6

MISCELLANEOUS ACCESSORIES

PROTECTIVE INLET/PLUG CAP		
	39-2A426	For Inlets/Plugs Only.
PADLOCKABLE INLET/PLUG CAP		
	DS2MC	Aluminum – For Inlets/Plugs Only -A155 suffix required to maintain water ingress protection.
CORD GRIP with MESH		
	see pg 169	
RECEPTACLE LOCKING PIN		
	LP-843	

HAZARDOUS LOCATION

Notes: For Zone 2 DR dimensions refer to DR dimensions on pgs 103-104

DSDC Hazardous Location Plugs & Receptacles

20 A – 200 A

Devices rated for hazardous locations are not returnable.

Ratings

- **Max Amperage & Voltage**
  200 A, 250 VDC
- **Current Interruption Capability**
  Not for current interrupting
- **Environmental Ratings**
  Type 4X
- **Temperature Range**
  Min -40°F/Max 104°F
  See pg 266 for temps below -15°F.
- **Wiring Capacity**
  DSDC1 Min 14 AWG Max 8 AWG
  DSDC3 Min 14 AWG Max 4 AWG
  DSDC6 Min 10 AWG Max 2 AWG
  DSDC9 Min 4 AWG Max 2/0 AWG
  DSDC2 Min 4 AWG Max 4/0 AWG
  Based on THHN wire sizes.
- **Certifications**
  CSA C22.2 No. 182.1-07
  CSA C22.2 No. 213-M1987
- **Hazardous Ratings**
  Class I, Division 2, Groups ABCD, T6
  Class I, Zone 2, IIC

Receptacle (female)

Inlet (male)

Hazardous Location DSDC lid is normally closed and opens to 180°

Don't forget to add installation accessories to your order

Voltage		Polarity	Part # Poly	Part # Metal	Part # Poly	Part # Metal
DSDC1	130 V/20 A	2P+G	**35-14109-xxx-HAZ**	-	**35-18109-xxx-HAZ**	-
DSDC3	130 V/30 A	2P+G	**35-34109-xxx-HAZ**	-	**35-38109-xxx-HAZ**	-
DSDC6	130 V/60 A	2P+G	**35-64109-xxx-HAZ**	**36-64109-xxx-HAZ**	**35-68109-xxx-HAZ**	**36-68109-xxx-HAZ**
DSDC9	130 V/100 A	2P+G	-	**36-94109-xxx-HAZ**	-	**36-98109-xxx-HAZ**
DSDC2	130 V/200 A	2P+G	-	**36-24109-xxx-HAZ**	-	**36-28109-xxx-HAZ**
DSDC1	250 V/20 A	2P+G	**35-14209-xxx-HAZ**	-	**35-18209-xxx-HAZ**	-
DSDC3	250 V/30 A	2P+G	**35-34209-xxx-HAZ**	-	**35-38209-xxx-HAZ**	-
DSDC6	250 V/60 A	2P+G	**35-64209-xxx-HAZ**	**36-64209-xxx-HAZ**	**35-68209-xxx-HAZ**	**36-68209-xxx-HAZ**
DSDC9	250 V/100 A	2P+G	-	**36-94209-xxx-HAZ**	-	**36-98209-xxx-HAZ**
DSDC2	250 V/200 A	2P+G	-	**36-24209-xxx-HAZ**	-	**36-28209-xxx-HAZ**

The xxx represents any and all device options; if no options are needed, the xxx suffix should be omitted.

Receptacle Options	Part #
Normally Open Lid	**Recept # - NO**

Metal casings only.

Inlet Options	Part #
With no Lockout Hole	**Inlet # -A155**

Part Number Example

250 V DSDC6 with no options

DSDC6 Metal recept 2P+G = 36-64209-HAZ

See pages 243-252 for detailed information on these options

Feature Spotlight – Screw-Type Locking Pawl

Listing Requirement
Users must tighten screw to lock the plug in the mated position

5/16" hole for added security

Zone 2/Division 2 DSDC receptacles feature a standard screw-type locking pawl. This required feature allows the user to lock the plug to the receptacle by tightening a screw on the pawl.

For added security, a lockout hole is included on the receptacle that enables the user to insert a 5/16" lock or locking pin to prevent the plug from being disconnected or to lock the receptacle lid closed.

INSTALLATION ACCESSORIES

Accessories rated for hazardous locations are not returnable.

HANDLES

Poly Handle

	Cable Range	Poly Handle
DSDC1	.20 - .83"	552P0D21
DSDC3	.39 - 1.18"	553P0D30
DSDC6	.51 - 1.38"	554P0D35

Poly Handle

1/2" NPT	3/4" NPT	1" NPT	1 1/4" NPT	1 1/2" NPT
552P0N05	552P0N07	552P0N10	552P0N12	-
553P0N05	553P0N07	553P0N10	553P0N12	-
554P0N05	554P0N07	554P0N10	554P0N12	554P0N15

For Zone 2 DSDC dimensions use the cross reference chart below and refer to DS dimensions on pgs 57-58.

Dimensions	
DSDC1	same as DS20
DSDC3	same as DS30
DSDC6	same as DS60
DSDC9	same as DS100
DSDC2	same as DS200

DSDC1, 3, 6 shown

Metal Handle

	1/2" NPT	3/4" NPT	1" NPT	1 1/4" NPT	1 1/2" NPT	2" NPT	2 1/2" NPT	3" NPT
DSDC1	5K2P0N05	5K2P0N07	5K2P0N10	5K2P0N12	-	-	-	-
DSDC3	5K3P0N05	5K3P0N07	5K3P0N10	5K3P0N12	-	-	-	-
DSDC6	5K4P0N05	5K4P0N07	5K4P0N10	5K4P0N12	5K4P0N15	-	-	-
DSDC9	-	5K5P0N07	5K5P0N10	5K5P0N12	5K5P0N15	5K5P0N20	-	-
DSDC2	-	-	5K6P0N10	5K6P0N12	5K6P0N15	5K6P0N20	5K6P0N25	5K6P0N30

DSDC9, 2 shown

Metal Handle

- For available cord grips, see pg 169.

BOXES

DSDC1, 3, 6 shown

Poly Angle 30° with Metal Box

	1/2"NPT	3/4" NPT	1" NPT	1 1/4" NPT	1 1/2" NPT	2" NPT
DSDC1	752C3N05	752C3N07	752C3N10	752C3N12	-	-
DSDC3	753C3N05	753C3N07	753C3N10	753C3N12	-	-
DSDC6	-	-	754C3N10	754C3N12	754C3N15	754C3N20
DSDC9	-	-	-	-	-	-
DSDC2	-	-	-	-	-	-

DSDC1, 3, 6 shown

DSDC9, 2 shown

Metal Angle 30° with Metal Box (DSDC2 60°)

	1/2" NPT	3/4" NPT	1" NPT	1 1/4" NPT	1 1/2" NPT	2" NPT	2 1/2"NPT
DSDC1	7K2C3N05	7K2C3N07	7K2C3N10	7K2C3N12	-	-	-
DSDC3	7K3C3N05	7K3C3N07	7K3C3N10	7K3C3N12	-	-	-
DSDC6	-	-	7K4C3N10	7K4C3N12	7K4C3N15	7K4C3N20	-
DSDC9	-	-	-	7K5C3N12	7K5C3N15	7K5C3N20	7K5C3N25
DSDC2	-	-	-	-	7K6C6N15	7K6C6N20	7K6C6N25

Poly Angle 70° with Larger Metal Wall Box w/NPT

	1/2"NPT	3/4" NPT	1" NPT	1 1/4" NPT	1 1/2" NPT
DSDC1	752C7N05	752C7N07	752C7N10	752C7N12	752C7N15
DSDC3	753C7N05	753C7N07	753C7N10	753C7N12	753C7N15

Metal Angle 70° with Metal Box w/NPT

	1" NPT	1 1/4" NPT	1 1/2" NPT	2" NPT	2 1/2" NPT
DSDC6	7K4C7N10	7K4C7N12	7K4C7N15	7K4C7N20	-
DSDC9	-	7K5C7N12	7K5C7N15	7K5C7N20	7K5C7N25

ANGLES

	Poly 30° Angle	Metal 30° Angle	Metal 70° Angle	Metal Straight Adapter
DSDC1	552M3	5K2M3	-	5K2M0
DSDC3	553M3	5K3M3	5K3M7	5K3M0
DSDC6	554M3	5K4M3	5K4M7	5K4M0
DSDC9	-	5K5M3	5K5M7	5K5M0
DSDC2	-	5K6M6 (60°)	-	5K6M0

MISC. ACCESSORIES

* Set of Two (2)

For Inlets/Plugs Only

For Inlets/Plugs Only

Finger Drawplates	Protective Inlet/Plug Cap	Padlockable Cap Aluminum	Cord Grip	Receptacle Locking Pin
61-3A346	31-1A426	-	see pg 169	LP-843
61-6A346	31-3A426	-	see pg 169	LP-843
31-6A346	31-6A426	DS6MC	see pg 169	LP-843
**	31-9A426	DS9MC	see pg 169	LP-843
**	39-2A426	DS2MC	see pg 169	LP-843

* Recommended for easier connector closure.
** An easy closing mechanism is standard on DSDC9 and DSDC2.

DX Hazardous Location Plug and Receptacle

Main Advantages

- Rugged Construction, cost effective design
- Rated for Zone 1 and Zone 21 applications

- Features & Ratings p. 220
- Certifications & Testing p. 221
- Operation p. 222
- DX1 p. 223
- DX3 p. 224
- DX6 p. 225
- DX9 p. 226
- Dimensions p. 227

PRODUCT FEATURES

Heavy-Duty Aluminum Casing

All components are enclosed in rugged copper free aluminum housings for maximum durability and protection.

Arc Isolation Chamber

Minimizes gas/dust volume present during arcing, withstands internal pressure due to ignition of it and isolates the ignition from the outside environment.

Dead Front

The 'dead' load-side switching contacts block access to the receptacle and are locked in the open position until an appropriate mating plug is fully inserted. This prevents unintended access to live parts and ensures user safety.

Spring Operated Switching Mechanism

An integral switching mechanism ensures quick-make, quick-break operation, independent of the motion of the user.

ON & OFF Positions when Mated

The switching mechanism allows the circuit to be disconnected without removing the plug.

Silver-Nickel Butt Contacts

Contact design provides a superior connection, with maximum conductivity, the ability to withstand arcing and oxidation, excellent wear resistance, and a long operating life. A wiping motion during operation also provides a self-cleaning action.

Normally Closed Receptacle Lid

The lid automatically closes to a pre-latched position when the plug is removed. This prevents the entry of dust and debris. The lid must be manually latched to maintain IP 65 protection.

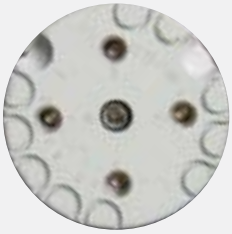
General Ratings

Amperage	20 to 125 A
Voltage	750 VAC
Frequency	50-400 Hz
Environmental	IP65
Temperature	min -13°F/max 140°F* (DX1/DX3) min -40°F/max 140°F* (DX6/DX9)

NOM ratings available upon request.

Highlighted Feature

Dead Front



The dead front on the DX receptacle provides protection from accidental tool and wire insertion.

Operating Instructions

When a DX is connected there is total safety.

Pressing the pawl while turning the plug about 30° counterclockwise causes the circuit to be broken.

Now that the circuit is safely de-energized, continue pressing the pawl while withdrawing the plug from the receptacle.

The plug and receptacle are separated. The safety shutter prevents access to live parts.

5 To reconnect, insert plug into receptacle fully, then twist the plug approximately 30° clockwise to make the circuit.

DX Certifications

Hazardous Duty Certification

ATEX and IECEx

II 2 G/D Ex de IIC tD A21

II – Indicates suitability for installation in surface applications (as opposed to underground mine applications).

2 – Indicates suitability for use where a high level of protection is required and where the presence of an explosive atmosphere is likely to occur (Zone 1 and Zone 21 environments).

G/D – Indicates suitability for installation in areas that may contain flammable gases, vapors/mists, or dusts.

Ex de – Protection method for gas atmospheres indicating that explosion protection is provided with (e) increased safety in the conductor termination area, and (d) explosion proof chambers for making and breaking the current that can withstand the pressure of internal ignition and that prevent arcs, flame, or other ignition events from being communicated to the surrounding atmosphere.

IIC – Indicates suitability for installation in areas where exposure to any type of gas, including the most dangerous subdivision C gases may occur.

tD – Protection method for dust atmospheres indicating that explosion protection is provided by the type of enclosure (casing) used.

A21 – Indicates a dust tight enclosure (IP6x) is used to achieve a Zone 21 rating.

ATEX & IECEx certification was performed by LCIE.
* Temperature ratings vary depending on product and ambient temperature. See specific product section for temperature ratings.

Electrical Performance Testing

	Key Performance Tests Passed			
Model	**Mechanical Endurance**	**Electrical Endurance[1]**	**Overload Testing[2]**	**Dielectric Test**
DX1	-	5000 Operations	50 Operations	2 x V (rated) + 1000 V
DX3	1000 Cycles	1000 Operations	50 Operations	2 x V (rated) + 1000 V
DX6	1000 Cycles	1000 Operations	50 Operations	2 x V (rated) + 1000 V
DX9	1000 Cycles	1000 Operations	50 Operations	2 x V (rated) + 1000 V

[1] @ 100% of rated current and voltage and 0.6 power factor.
[2] @ 125% of rated current, 110% of rated voltage, & 0.6 power factor.

DX complies with	
ATEX	2014/35/EV Directive
IEC/EN	60079-0
	60079-1
	60079-7
	60079-31

DX Operation

Connection

1

Insertion of the Plug

As the plug contact is inserted, it engages and depresses the 'dead' switching contact.

This releases the locking mechanism. The switching contact is free to operate.

2

Charging the Operating Spring

Clockwise rotation of the inserted plug winds the operating spring and rotates the switching contact into position to engage with the live receptacle contact.

3

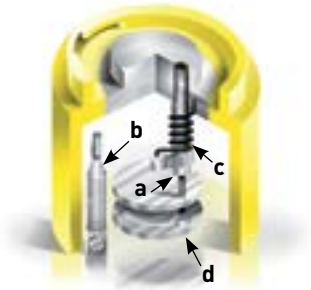
Making the Circuit

With the final few degrees of rotation, the switching contact is released and force from the spring quickly drives it into engagement with the live receptacle contact.

Disconnection

After depressing the pawl, the plug is rotated in a counterclockwise direction. This frees the switching contact for operation and the release of the remaining spring tension causes a quick breaking of the contacts. The plug may now be removed, if desired.

Receptacle with Plug Disconnected



a. **Switching Contact**
Shown in the open (dead) position

b. **'Live' Receptacle Contact**
Accessibility is denied

c. **Operating Spring**
Shown with tension released

d. **Mechanical Locking Device**
Blocks contact operation

DX1 Hazardous Location Plugs & Receptacles – 20 A

Devices rated for hazardous locations are not returnable.

Ratings

- **Max Amperage & Voltage**
  20 A, 750 VAC
- **Environmental Ratings**
  IP65
- **Temperature Range**
  Min -13°F / Max 140°F
  See pg 266 for temps below -15°F.
- **Wiring Capacity**
  Min 14 AWG Max 8 AWG
  * Based on THHN wire sizes.
- **Applicable Standards**
  ATEX, IECEx
- **Hazardous Location Ratings**

MARECHAL ELECTRIC MAROMME
II2 G/D Ex de IIC tD A21
-25°C ≤ Ta ≤ +60°C T5 T84°C
-25°C ≤ Ta ≤ +50°C T6 T74°C
IECEx LCI 09.0014/LCIE 05 ATEX 6127

Handle Cable Range

Suffix	Cable Range Size
None	.31" - .51"
-25M	.35" - .63"
-32M	.47" - .83"

Box NPT Size

Suffix	NPT Thread Size
-12	1/2"
-34	3/4"
None	1"

NPT sizes are determined by the cable diameter and third party cord grip.

Plug (Male inlet w/handle) or Inlet w/cap on box (Male)

or

North American Configurations

Voltage	Polarity	Part # Metal	Part # Metal
120 V	1P+N+G	26-21165	26-26165
125 V	1P+N+G	26-21075	26-26075
208 V	2P+G	26-21162	26-26162
208 V	3P+G	26-21163	26-26163
208 V	3P+N+G	26-21167	26-26167
250 V	2P+G	26-21072	26-26072
250 V	3P+G	26-21073	26-26073
250 V	2P+N+G	26-21076	26-26076
277 V	1P+N+G	26-21045	26-26045
480 V	2P+G	26-21042	26-26042
480 V	3P+G	26-21043	26-26043
480 V	3P+N+G	26-21047	26-26047
600 V	3P+G	26-21143	26-26143

For international configurations (IEC/CE) visit meltric.com/international-catalog or contact Customer Service at 800-433-7642.

Connector (female recept w/handle) or Receptacle on box (female) or Receptacle (female)

or

or

North American Configurations

Voltage	Polarity	Part # Metal	Part # Metal	Part # Metal
120 V	1P+N+G	26-23165	26-20165	26-24165
125 V	1P+N+G	26-23075	26-20075	26-24075
208 V	2P+G	26-23162	26-20162	26-24162
208 V	3P+G	26-23163	26-20163	26-24163
208 V	3P+N+G	26-23167	26-20167	26-24167
250 V	2P+G	26-23072	26-20072	26-24072
250 V	3P+G	26-23073	26-20073	26-24073
250 V	2P+N+G	26-23076	26-20076	26-24076
277 V	1P+N+G	26-23045	26-20045	26-24045
480 V	2P+G	26-23042	26-20042	26-24042
480 V	3P+G	26-23043	26-20043	26-24043
480 V	3P+N+G	26-23047	26-20047	26-24047
600 V	3P+G	26-23143	26-20143	26-24143

For international configurations (IEC/CE) visit meltric.com/international-catalog or contact Customer Service at 800-433-7642.

Accessories

Protective Cap

For Male Devices Only

DX1	26-2A126

Metal Wall Box

NPT	Part #
1/2"	26-2A023-12
3/4"	26-2A023-34
1"	26-2A023-1

DX3 Hazardous Location Plugs & Receptacles – 32 A

Devices rated for hazardous locations are not returnable.

Plug (Male inlet w/handle) or Inlet w/cap on box (Male)

or

North American Configurations

Voltage	Polarity	Part # Metal	Part # Metal
120 V	1P+N+G	26-31165	26-36165
125 V	1P+N+G	26-31075	26-36075
208 V	2P+G	26-31162	26-36162
208 V	3P+G	26-31163	26-36163
208 V	3P+N+G	26-31167	26-36167
250 V	2P+G	26-31072	26-36072
250 V	3P+G	26-31073	26-36073
250 V	2P+N+G	26-31076	26-36076
277 V	1P+N+G	26-31045	26-36045
480 V	2P+G	26-31042	26-36042
480 V	3P+G	26-31043	26-36043
480 V	3P+N+G	26-31047	26-36047
600 V	3P+G	26-31143	26-36143

For international configurations (IEC/CE) visit meltric.com/international-catalog or contact Customer Service at 800-433-7642.

Connector (female recept w/handle) or Receptacle on box (female) or Receptacle (female)

or

or

North American Configurations

Voltage	Polarity	Part # Metal	Part # Metal	Part # Metal
120 V	1P+N+G	26-33165	26-30165	26-34165
125 V	1P+N+G	26-33075	26-30075	26-34075
208 V	2P+G	26-33162	26-30162	26-34162
208 V	3P+G	26-33163	26-30163	26-34163
208 V	3P+N+G	26-33167	26-30167	26-34167
250 V	2P+G	26-33072	26-30072	26-34072
250 V	3P+G	26-33073	26-30073	26-34073
250 V	2P+N+G	26-33076	26-30076	26-34076
277 V	1P+N+G	26-33045	26-30045	26-34045
480 V	2P+G	26-33042	26-30042	26-34042
480 V	3P+G	26-33043	26-30043	26-34043
480 V	3P+N+G	26-33047	26-30047	26-34047
600 V	3P+G	26-33143	26-30143	26-34143

For international configurations (IEC/CE) visit meltric.com/international-catalog or contact Customer Service at 800-433-7642.

Ratings

- **Max Amperage & Voltage**
  32 A, 750 VAC
- **Environmental Ratings**
  IP65
- **Temperature Range**
  Min -13°F / Max 140°F
  See pg 266 for temps below -15°F.
- **Wiring Capacity**
  Min 14 AWG Max 8 AWG
  * Based on THHN wire sizes.
- **Applicable Standards**
  ATEX, IECEx
- **Hazardous Location Ratings**

MARECHAL ELECTRIC MAROMME
II2 G/D Ex de IIC tD A21
-25°C ≤ Ta ≤ +60°C T5 T84°C
-25°C ≤ Ta ≤ +50°C T6 T74°C
IECEx LCI 09.0014/LCIE 05 ATEX 6127

Handle Cable Range

Suffix	Cable Range Size
-20M	.31" - .51"
None	.35" - .63"
-32M	.47" - .83"

Box NPT Size

Suffix	NPT Thread Size
-12	1/2"
-34	3/4"
None	1"

NPT sizes are determined by the cable diameter and third party cord grip.

Accessories

Protective Cap

For Male Devices Only

DX3	26-3A126

Metal Wall Box

NPT	Part #
1/2"	26-3A023-12
3/4"	26-3A023-34
1"	26-3A023-1

DX6 Hazardous Location Plugs & Receptacles – 63 A

Devices rated for hazardous locations are not returnable.

Ratings

- **Max Amperage & Voltage**
  63 A, 750 VAC
- **Environmental Ratings**
  IP65/IP66
- **Temperature Range**
  Min -40°F / Max 140°F
  See pg 266 for temps below -15°F.
- **Wiring Capacity**
  Min 6 AWG Max 1/0 AWG
  * Based on THHN wire sizes.
- **Applicable Standards**
  ATEX, IECEx
- **Hazardous Location Ratings**

MARECHAL ELECTRIC MAROMME
II2 G/D Ex de IIC tD A21
-40°C ≤ Ta ≤ +60°C T5 T90°C
-40°C ≤ Ta ≤ +50°C T6 T80°C
IECEx LCI 09.0015/LCIE 04 ATEX 6038

Handle Cable Range

Suffix	Cable Range Size
None	.47" - .83"
-40M	.63" - 1.06"
-50M	.91" - 1.38"
-63M	1.42 - 1.89"

Box NPT Size

Suffix	NPT Thread Size
-1	1"
None	1 1/4"
-112	1 1/2"
-2	2"

NPT sizes are determined by the cable diameter and third party cord grip.

Accessories

Protective Cap

For Male Devices Only

DX6	26-6A126

Metal Wall Box

NPT	Part #
1"	26-6A023-1
1 1/4"	26-6A023-114
1 1/2"	26-6A023-112
2"	26-6A023-2

Plug (Male inlet w/handle) or Inlet w/cap on box (Male)

or

North American Configurations

Voltage	Polarity	Part # Metal	Part # Metal
120 V	1P+N+G	26-61165	26-66165
125 V	1P+N+G	26-61075	26-66075
208 V	2P+G	26-61162	26-66162
208 V	3P+G	26-61163	26-66163
208 V	3P+N+G	26-61167	26-66167
250 V	2P+G	26-61072	26-66072
250 V	3P+G	26-61073	26-66073
250 V	2P+N+G	26-61076	26-66076
277 V	1P+N+G	26-61045	26-66045
480 V	2P+G	26-61042	26-66042
480 V	3P+G	26-61043	26-66043
480 V	3P+N+G	26-61047	26-66047
600 V	3P+G	26-61143	26-66143

For international configurations (IEC/CE) visit meltric.com/international-catalog or contact Customer Service at 800-433-7642.

Connector (female recept w/handle) or Receptacle on box (female) or Receptacle (female)

or

or

North American Configurations

Voltage	Polarity	Part # Metal	Part # Metal	Part # Metal
120 V	1P+N+G	26-63165	26-60165	26-64165
125 V	1P+N+G	26-63075	26-60075	26-64075
208 V	2P+G	26-63162	26-60162	26-64162
208 V	3P+G	26-63163	26-60163	26-64163
208 V	3P+N+G	26-63167	26-60167	26-64167
250 V	2P+G	26-63072	26-60072	26-64072
250 V	3P+G	26-63073	26-60073	26-64073
250 V	2P+N+G	26-63076	26-60076	26-64076
277 V	1P+N+G	26-63045	26-60045	26-64045
480 V	2P+G	26-63042	26-60042	26-64042
480 V	3P+G	26-63043	26-60043	26-64043
480 V	3P+N+G	26-63047	26-60047	26-64047
600 V	3P+G	26-63143	26-60143	26-64143

For international configurations (IEC/CE) visit meltric.com/international-catalog or contact Customer Service at 800-433-7642.

DX9 Hazardous Location Plugs & Receptacles – 125 A

Devices rated for hazardous locations are not returnable.

Plug (Male inlet w/handle) or Inlet w/cap on box (Male)

or

North American Configurations

Voltage	Polarity	Part # Metal	Part # Metal
120 V	1P+N+G	26-91165	26-96165
125 V	1P+N+G	26-91075	26-96075
208 V	2P+G	26-91162	26-96162
208 V	3P+G	26-91163	26-96163
208 V	3P+N+G	26-91167	26-96167
250 V	2P+G	26-91072	26-96072
250 V	3P+G	26-91073	26-96073
250 V	2P+N+G	26-91076	26-96076
277 V	1P+N+G	26-91045	26-96045
480 V	2P+G	26-91042	26-96042
480 V	3P+G	26-91043-	26-96043
480 V	3P+N+G	26-91047	26-96047
600 V	3P+G	26-91143	26-96143

For international configurations (IEC/CE) visit meltric.com/international-catalog or contact Customer Service at 800-433-7642.

Connector (female recept w/handle) Receptacle on box (female) Receptacle (female)

or

or

North American Configurations

Voltage	Polarity	Part # Metal	Part # Metal	Part # Metal
120 V	1P+N+G	26-93165	26-90165	26-94165
125 V	1P+N+G	26-93075	26-90075	26-94075
208 V	2P+G	26-93162	26-90162	26-94162
208 V	3P+G	26-93163	26-90163	26-94163
208 V	3P+N+G	26-93167	26-90167	26-94167
250 V	2P+G	26-93072	26-90072	26-94072
250 V	3P+G	26-93073	26-90073	26-94073
250 V	2P+N+G	26-93076	26-90076	26-94076
277 V	1P+N+G	26-93045	26-90045	26-94045
480 V	2P+G	26-93042	26-90042	26-94042
480 V	3P+G	26-93043	26-90043	26-94043
480 V	3P+N+G	26-93047	26-90047	26-94047
600 V	3P+G	26-93143	26-90143	26-94143

For international configurations (IEC/CE) visit meltric.com/international-catalog or contact Customer Service at 800-433-7642.

Ratings

- **Max Amperage & Voltage**
  125 A, 750 VAC
- **Environmental Ratings**
  IP65/IP66
- **Temperature Range**
  Min -40°F / Max 140°F
  See pg 266 for temps below -15°F.
- **Wiring Capacity**
  Min 2 AWG Max 2/0 AWG
  * Based on THHN wire sizes.
- **Applicable Standards**
  ATEX, IECEx
- **Hazardous Location Ratings**

MARECHAL ELECTRIC MAROMME
II2 G/D Ex de IIC tD A21
-40°C ≤ Ta ≤ +60°C T5 T90°C
-40°C ≤ Ta ≤ +50°C T6 T80°C
IECEx LCI 09.0015/LCIE 04 ATEX 6038

Handle Cable Range

Suffix	Cable Range Size
-32M	.47" - .83"
None	.63" - .1.06"
-50M	.91" - 1.38"
-63M	1.42" - 1.89"

Box NPT Size

Suffix	NPT Thread Size
-1	1"
None	1 1/4"
-112	1 1/2"
-2	2"

NPT sizes are determined by the cable diameter and third party cord grip.

Accessories

Protective Cap

For Male Devices Only

DX9	26-9A126

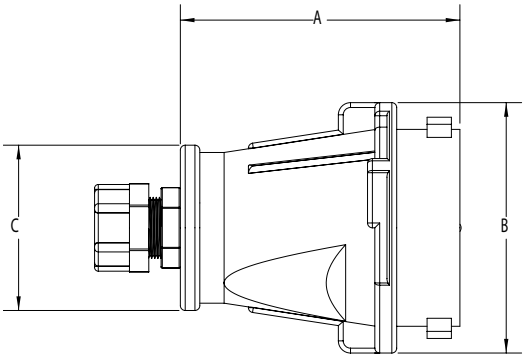
Metal Wall Box

NPT	Part #
1"	26-9A023-1
1 1/4"	26-9A023-114
1 1/2"	26-9A023-112
2"	26-9A023-2

DX DIMENSIONS Inlet – Provided in inches

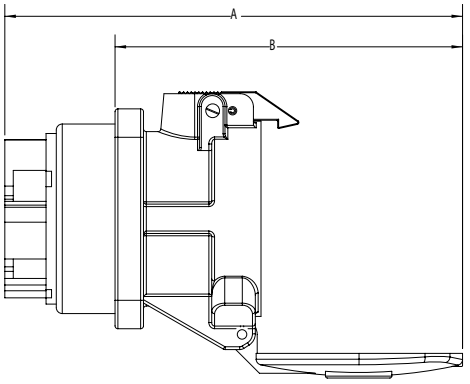
Dimensions are for reference only and may change depending on accessories used. For precise dimensions contact MELTRIC Engineering.

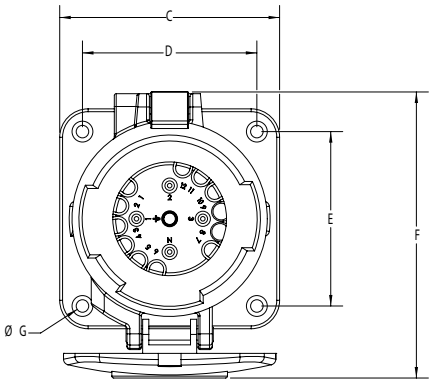
Plug



PRODUCT	A	B	C
DX20/DX30	4.53	4.06	2.68
DX60/DX100	8.66	5.75	3.94

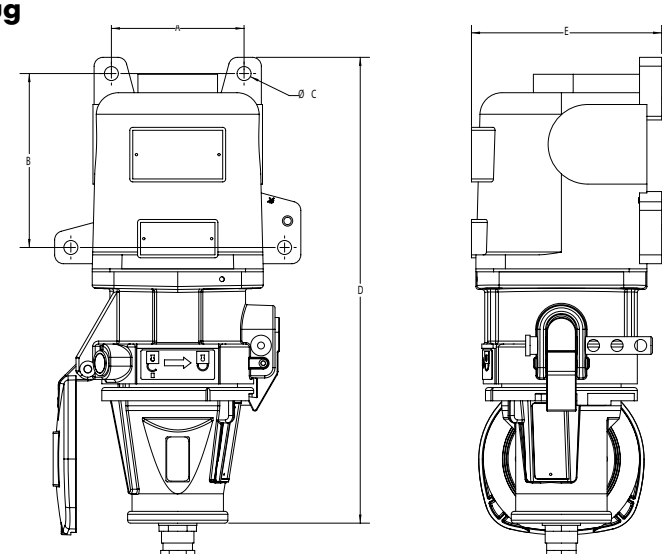
Receptacle





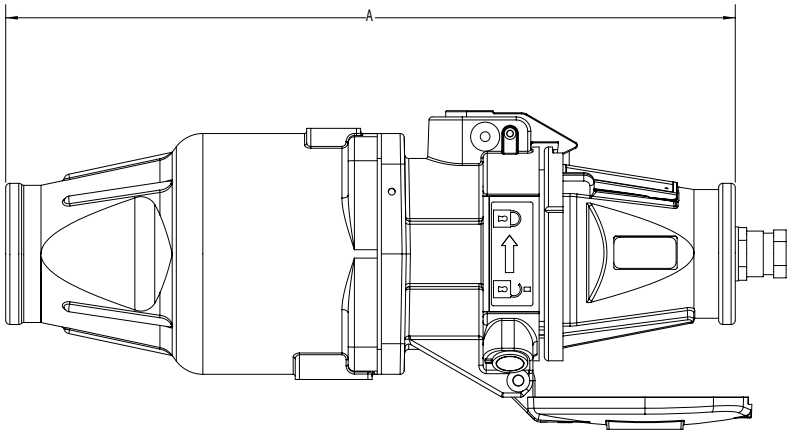
PRODUCT	A	B	C	D	E	F	øG
DX20/DX30	9.51	7.22	4.57	3.62	3.62	5.94	0.26
DX60/DX100	15.30	11.67	6.30	4.80	4.80	7.95	0.35

Wall Box/ Receptacle/Plug



PRODUCT	A	B	C	D	øE
DX20/DX30	3.54	4.65	0.37	12.44	5.08
DX60/DX100	5.12	6.81	0.39	19.06	6.50

Plug/Connector



PRODUCT	A
DX20/DX30	13.84
DX60/DX100	21.14

PRODUCT FEATURES

Durable Casing

Glass reinforced thermoplastic casing provides IK08 impact protection.

Spring-Loaded Butt-style Contacts

Ensures optimal contact force and superior electrical performance over thousands of operations.

Integral Cord Grips

Strain relief and ingress protection for cables from .40" to .55".

Silver-Nickel Contacts

Silver-nickel material provides superior conductivity, durability, and corrosion resistance. Suitable for 4-20 mA signals and up to 5A power circuits.

Protective Cap

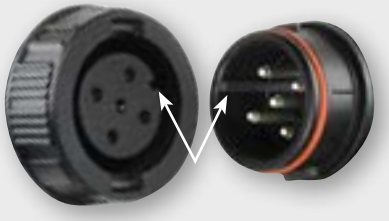
Allows IP66/67/69 ratings to be maintained when the device is disconnected.

Hazardous Location Listings

ATEX/IECEX
Ex II2 G D Ex e IIC T6 Gb Ex tb IIIC T72˚C Db Suitable for Zone 1 and Zone 2 for Gases with autoignition temperatures < 85˚ C Suitable for Zone 21 and Zone 22 for Dusts with autoignition temperatures < 72˚ C
-20°C ≤ Ta ≤ +70°C Applicable ambient temperature range
IECEx LCIE 16.0001X/LCIE 16 ATEX 3001X

How It Works

Connector and Plug Disconnected



Align keying rib on plug with slot on receptacle

Insertion of Plug

Insert plug into receptacle

Rotation of ring

Rotate ring 40° to lock device together and engage water and dust ingress protection

PNCX Hazardous Location Multipin – 5 A

Devices rated for hazardous locations are not returnable.

Connector

or

Receptacle

Voltage	Polarity	Cable Range	Part # Poly	Part # Poly
250 V	4P+G	.40 - .55"	06E3007	06E4007

For international configurations (IEC/CE) visit meltric.com/international-catalog or contact Customer Service at 800-433-7642.

Plug

or

Inlet

Voltage	Polarity	Cable Range	Part # Poly	Part # Poly
250 V	4P+G	.40 - .55"	06E1007	06E8007

For international configurations (IEC/CE) visit meltric.com/international-catalog or contact Customer Service at 800-433-7642.

Ratings

- **Voltage**
  250 VAC
- **Amperage Ratings**
  4-20 mA to 5 A
  Not for current interrupting
- **Environmental Ratings**
  IP66/IP67/IP69
- **Temperature Range**
  Min -4°F / Max 158°F
- **Wiring Capacity**
  Min 18 AWG Max 12 AWG
- **Terminal Type**
  Screw
- **Applicable Standards**
  ATEX, IECEx

ACCESSORIES

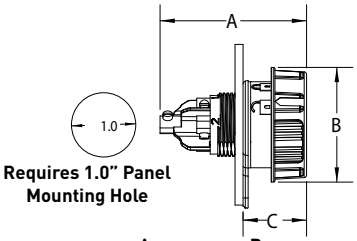
ADAPTER PLATE	For DXN20 Accessories (see page 182).
	251A457-E

PROTECTIVE CAP (if replacement is required)			
	Receptacle 01EA125		Inlet 01EA126

PNCX DIMENSIONS – Provided in inches

Dimensions are for reference only and may change depending on accessories used. For precise dimensions contact MELTRIC Engineering.

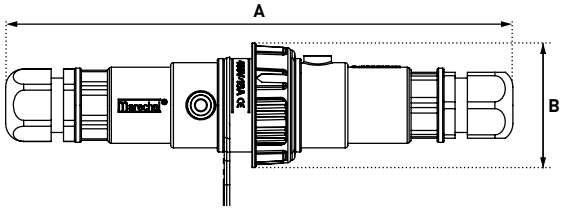
Panel Mount Receptacle Dimensions



Requires 1.0" Panel Mounting Hole

PRODUCT	A	B	C
PNCX	2.28	1.78	.99

Connected Plug and Receptacle Dimensions



PRODUCT	A	B
PNCX	7.28	1.78

MULTIPIN

Plugs & Receptacles

Multipin plugs and receptacles rated for hazardous environments. Industrial duty casings withstand harsh environments and rough handling.

PXN12c P. 233

MULTIPIN CONNECTORS

- ATEX rated
- Up to 12 contacts
- Compact design
- Crimped or soldered contact

DXN25c P. 235

MULTIPIN CONNECTORS

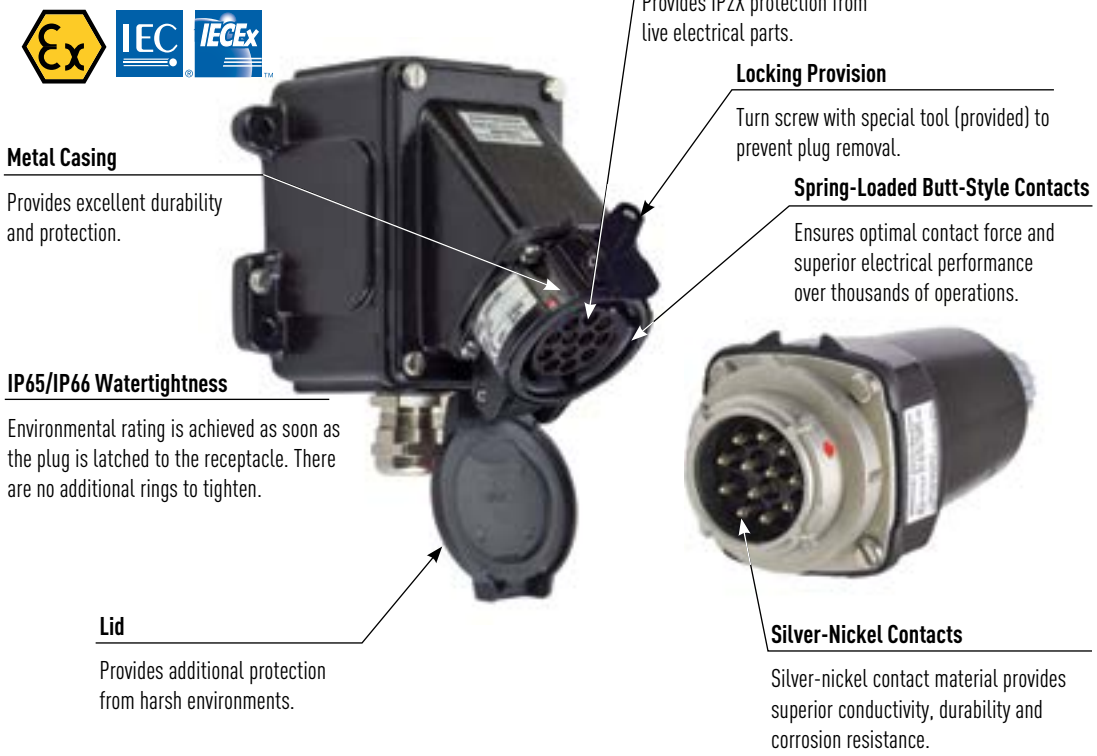
- ATEX rated
- Up to 25 contacts
- Corrosion-free metal casing
- Crimped or soldered contacts

DXN37c P. 235

MULTIPIN CONNECTORS

- ATEX rated
- Up to 37 contacts
- Corrosion-free metal casing
- Crimped or soldered contacts

PRODUCT FEATURES



Recessed Contacts

Provides IP2X protection from live electrical parts.

Locking Provision

Turn screw with special tool (provided) to prevent plug removal.

Spring-Loaded Butt-Style Contacts

Ensures optimal contact force and superior electrical performance over thousands of operations.

Metal Casing

Provides excellent durability and protection.

IP65/IP66 Watertightness

Environmental rating is achieved as soon as the plug is latched to the receptacle. There are no additional rings to tighten.

Lid

Provides additional protection from harsh environments.

Silver-Nickel Contacts

Silver-nickel contact material provides superior conductivity, durability and corrosion resistance.

Hazardous Location Listings

ATEX
Ex II2 G D Ex e IIC Gb Ex tb IIIC Db Suitable for Zone 1 & 2 (gas) 21 & 22 (dust)
-40°C ≤ Ta ≤ +55°C T5 T69°C
Ex ia or ib IICT6 Gb
IECEx LCIE 14.0041X/LCIE 07 ATEX 6070X

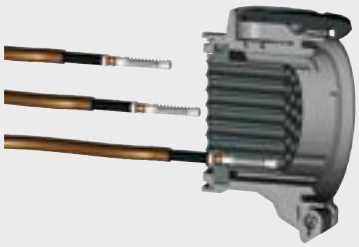
NOM ratings available upon request.

Highlighted Feature

- **Crimped Contacts**
  PXN12c devices now feature contacts that can be crimped or soldered. Each device is supplied with 13 contacts so that the product can be set up to suit application needs.

Simple Assembly and Disassembly

DSN37c shown



Assembly

To insert contacts when they have been wired is simple. Push wired contact into rear of insulator until it stops to complete the installation.

Disassembly

To remove, use the tool provided.
Push tool from front onto contact until tool stops.
Contact is then released at rear of insulator.

PXN12c Hazardous Location Multipin – 10 A

Devices rated for hazardous locations are not returnable.

Connector (female receptacle) w/handle) | **Receptacle/ Angle** (female) | **Recept/ Angle/Box** (female)

or

or

Voltage	Polarity	Cable Range	Part # Metal	Part # Metal	Part # Metal
220 V	11P+G	.35 - .63"	06-A3001-25M	06-A7001	06-A0001-25M
220 V	11P+G	.47 - .82"	06-A3001	06-A7001	06-A0001

For international configurations (IEC/CE) visit meltric.com/international-catalog or contact Customer Service at 800-433-7642.

Plug (male inlet w/handle) | **Inlet/Angle** (male) | **Inlet/ Angle/Box** (male)

or

or

Voltage	Polarity	Cable Range	Part # Metal	Part # Metal	Part # Metal
220 V	11P+G	.35 - .63"	06-A1001-25M	06-A9001	06-A6001-25M
220 V	11P+G	.47 - .82"	06-A1001	06-A9001	06-A6001

For international configurations (IEC/CE) visit meltric.com/international-catalog or contact Customer Service at 800-433-7642.

Ratings

- **Voltage**
  220 VAC or VDC
- **Amperage Ratings**
  10 A not for disconnection of a live circuit.
- **Environmental Ratings**
  IP65/IP66
- **Temperature Range**
  Min -40°F / Max 131°F
  See pg 266 for temps below -15°F.
- **Wiring Capacity**
  Min 16 AWG Max 14 AWG
  * Based on THHN wiring connection type solder.
- **Terminal Type**
  Solder/Crimp
- **Applicable Standards**
  ATEX, IECEx

ACCESSORIES

PROTECTIVE INLET/PLUG CAP

01-NA426

EUROPEAN CRIMPING TOOL

61-CA500

BAG OF 13 FEMALE CONTACTS

01-AA213 — Includes insulation sleeves and ferrules

MULTI-CONTACT REMOVAL TOOL

61-CA593

CRIMPER TOOL (Greenlee or equal)

4CN30

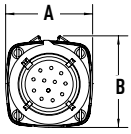
BAG OF 13 MALE CONTACTS

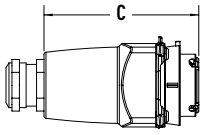
01-AA113 — Includes insulation sleeves and ferrules

PXN12c DIMENSIONS – Provided in inches

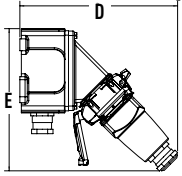
Dimensions are for reference only and may change depending on accessories used. For precise dimensions contact MELTRIC Engineering.

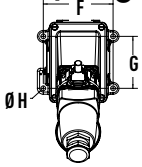
Plug





Wall box/Angle/Receptacle/Plug

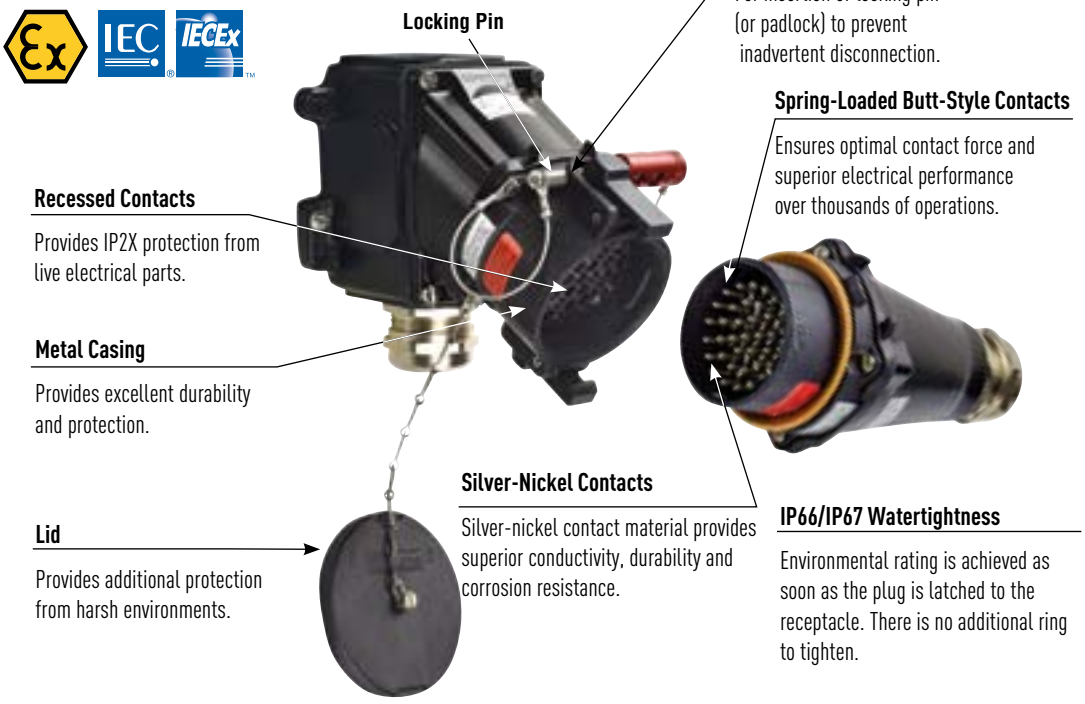




PRODUCT	A	B	C	D	E	F	G	øH
PXN12c	2.3	2.42	4.09	8.37	7.54	3.7	2.76	0.26

MULTIPIN DXN25c/DXN37c

PRODUCT FEATURES



Hazardous Location Listings

ATEX			
Ex II 2 GD Ex e IIC Gb Ex tb IIIC Db Suitable for Zone 1 & 2 (gas) 21 & 22 (dust)			
Ex ia or ib IIC T6 Gb			
DXN25c	-40°C ≤ Ta ≤ +60°C	T5	T71°C
	-40°C ≤ Ta ≤ +40°C	T6	T51°C
	IECEx LCIE 14.0040X/LCIE 09 ATEX 3050X		
DXN37c	-40°C ≤ Ta ≤ +55°C	T5	T76°C
	-40°C ≤ Ta ≤ +40°C	T6	T56°C
	IECEx LCIE 14.0038X/LCIE 07 ATEX 6071X		

NOM ratings available upon request.

Highlighted Feature

- **Crimped Contacts**
  DXN25c / DXN37c devices now feature contacts that can be crimped or soldered. Each device is supplied with 26 or 39 contacts so that the product can be set up to suit application needs.

Simple Assembly and Disassembly

DSN37c shown

Assembly

To insert contacts when they have been wired is simple. Push wired contact into rear of insulator until it stops to complete the installation.

Disassembly

To remove, use the tool provided.
Push tool from front onto contact until tool stops.
Contact is then released at rear of insulator.

DXN25C/37C Hazardous Location Multipin – 10 A

Devices rated for hazardous locations are not returnable.

Connector (female receptacle) w/handle)

or

Receptacle/ Angle (female)

or

Recept/ Angle/Box (female)

Voltage	Polarity	Cable Range	Part # Metal	Part # Metal	Part # Metal
440 V	24P+G	.47 - .82"	36-D3002-32M	36-D7002	36-D0002-32M
440 V	24P+G	.63 - 1.06"	36-D3002	36-D7002	36-D0002
220 V	36P+G	.47 - .82"	36-C3003-32M	36-C7003	36-C0003-32M
220 V	36P+G	.63 - 1.06"	36-C3003	36-C7003	36-C0003

For international configurations (IEC/CE) visit meltric.com/international-catalog or contact Customer Service at 800-433-7642.

Plug (male inlet w/handle)

or

Inlet/Angle (male)

or

Inlet/ Angle/Box (male)

Voltage	Polarity	Cable Range	Part # Metal	Part # Metal	Part # Metal
440 V	24P+G	.47 - .82"	36-D1002-32M	36-D9002	36-D6002-32M
440 V	24P+G	.63 - 1.06"	36-D1002	36-D9002	36-D6002
220 V	36P+G	.47 - .82"	36-C1003-32M	36-C9003	36-C6003-32M
220 V	36P+G	.63 - 1.06"	36-C1003	36-C9003	36-C6003

For international configurations (IEC/CE) visit meltric.com/international-catalog or contact Customer Service at 800-433-7642.

Ratings

- **Voltage**
  440 VAC or VDC DXN25c
  230 VAC or VDC DXN37c
- **Amperage Ratings**
  10 A DXN25c Not for disconnection of a live circuit.
  10 A DXN37c Not for disconnection of a live circuit.
- **Environmental Ratings**
  IP66/IP67
- **Temperature Range**
  Min -40°F/Max 140°F – (DXN25c)
  Min -40°F/Max 131°F – (DXN37c)
  See pg 266 for temps below -15°F.
- **Wiring Capacity**
  Min 16 AWG Max 14 AWG
  * Based on THHN wiring connection type solder.
- **Terminal Type**
  DXN25c: Solder/Crimp
  DXN37c: Solder/Crimp
- **Applicable Standards**
  ATEX, IECEx

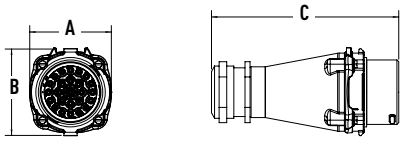
ACCESSORIES

MULTI-CONTACT REMOVAL TOOL		EUROPEAN CRIMPING TOOL		BAG OF 13 FEMALE CONTACTS		
	61-CA593		61-CA500		01-AA213	Includes insulation sleeves and ferrules
PLUG CAP		**CRIMPER TOOL (Greenlee or equal)**		**BAG OF 13 MALE CONTACTS**		
	31-3A426		4CN30		61-CA113	Includes insulation sleeves and ferrules

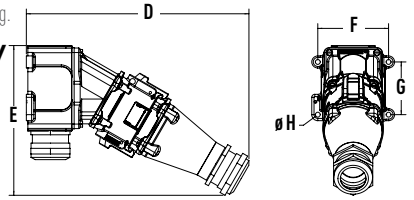
DXN25C/37C DIMENSIONS – Provided in inches

Dimensions are for reference only and may change depending on accessories used. For precise dimensions contact MELTRIC Engineering.

Plug



Wall box/Angle/ Receptacle/Plug



PRODUCT	A	B	C	D	E	F	G	øH
DXN25C/DXN37C	3.17	3.35	7.26	11.64	7.83	3.70	2.76	0.26

SPeX

Hazardous Location
Single Pole Plug and Receptacle

Main Advantages

- Mechanical keying system prevents intermating of phases
- Reliable mechanical and Electrical interlocking
- Automatic IP65/IP66 when plug is mated

- Features & Ratings p. 238
- SPeX p. 239
- Dimensions p. 240

PRODUCT FEATURES

Hazardous location rating is based on mandatory use of pilot circuit to make and break load on phase contacts.

Drawbar
Assists with interlocking devices.

Mechanical/Electrical Interlock
Twist ring closes/opens the pilot circuit and locks/unlocks the latching mechanism which works with a breaker to prevent connection or disconnection under load.

Pilot Connections
Integral pilot circuit for controlling the power circuit.

Protective Caps
Protect contacts when disconnected.

Phase Label
Indicates phase of receptacle.

Latch Release Button
Enables disconnection of the plug from the receptacle.

Silver Contact Material
Enables maximum performance and durability – withstands at least 2000 operations.

Color Coding
Enables quick visual identification of matching plugs/receptacles.

Hazardous Location Listings (CSA or ATEX)

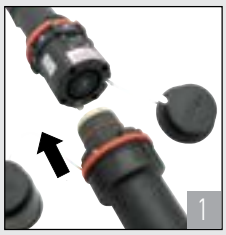
CSA	ATEX
Class I, Division 2, Group ABCD	Ⓔx II2 G D Ex e IIC T* Gb Ex tIIIC T* Db IP65/IP66 Suitable for Zone 1 & 2 (gas) 21 & 22 (dust)
Class II, Division 1 Groups EFG; Class III, Division 1	
Ex e IIC; Ex tb IIIC T56°C or T76°: IP66 (For Canada)	-20°C ≤ Ta ≤ 40°C T5 T56°C
Class I, Zone 1, AEx e IIC T5 or T6	-20°C ≤ Ta ≤ 60°C T5 T76°C
AEx tb IIIC T56°C or T76°C	-20°C ≤ Ta ≤ 40°C T6 T56°C
IP65/IP66 (For US)	-20°C ≤ Ta ≤ +60°C T4 T79°C

Amperage Ratings by Cable Size and ATEX Rating

	-20°C ≤Ta≤ 40°C G/D T5/T56°C	-20°C ≤Ta≤ 40°C G/D T6/T56°C	-20°C ≤Ta≤ 60°C G/D T5/T76°C
70mm²	290 A	235 A	235 A
95mm²	415 A	335 A	335 A
120mm²	456 A	376 A	376 A
150mm²	493 A	415 A	415 A
185mm²	530 A	450 A	450 A
240mm²	570 A	497 A	497 A
300mm²	620 A	540 A	540 A
400mm²	680 A	600 A	600 A

NOM ratings available upon request.

Operating Instructions



To connect, insert the plug into the receptacle until a click is heard. Rotation of the plug in either direction engages a locking finger, which prevents further rotation.

To close the pilot circuit and mechanically lock the plug into the receptacle, turn the ring on the receptacle until the "1" lines up with the arrow. This turns the power on.

To disconnect, open the pilot circuit and unlock the plug by turning the ring until the "0" is aligned with the arrow. The power is now off.

Press firmly on the latch release button and simultaneously pull on the inlet. A slight rotation of the plug may also be required.

SPeX Hazardous Location Plugs & Receptacles

Devices rated for hazardous locations are not returnable.

cCSAus Ratings

- **Voltage**
  600 VAC
- **Amperage Ratings**
  600 A
- **Environmental Ratings**
  IP65/IP66
- **Temperature Range**
  See table page 266
- **Wiring Capacity**
  Min 2/0 AWG Max 750 MCM
  Aux Contacts 12-14 AWG
  See table page 238
- **Applicable Standards**
  CSA C22.2 No. 182.1,
  CSA 213-M1987, CSA 25-1966

Plug (Male inlet w/handle)

Receptacle on angle (Female)

North American cCSAus Configurations

Color Code	Polarity	Part # without Lug (by cable diameter) .70 - .98"	.94 - 1.33"	1.33 - 1.65"	1.57 - 1.89"	Part # without Lug
	L1	42-41001-32P	42-41001-40P	42-41001-50P	42-41001-63P	42-47001
	L2	42-41002-32P	42-41002-40P	42-41002-50P	42-41002-63P	42-47002
	L3	42-41003-32P	42-41003-40P	42-41003-50P	42-41003-63P	42-47003
	NEUTRAL	42-4100N-32P	42-4100N-40P	42-4100N-50P	42-4100N-63P	42-4700N
	GROUND	42-4100T-32P	42-4100T-40P	42-4100T-50P	42-4100T-63P	42-4700T
	POSITIVE	42-4100P-32P	42-4100P-40P	42-4100P-50P	42-4100P-63P	42-4700M
	NEGATIVE	42-4100M-32P	42-4100M-40P	42-4100M-50P	42-4100M-63P	42-4700P

IEC/CE Ratings

- **Voltage**
  1000 VAC, 1500 VDC
- **Amperage Ratings**
  See table page 238
- **Environmental Ratings**
  IP65/IP66
- **Temperature Range**
  See table page 266
- **Wiring Capacity**
  Min 2/0 AWG Max 750 MCM
  Aux Contacts 12-14 AWG
  See table page 238
- **Applicable Standards**
  ATEX, IECEx

Plug (Male inlet w/handle)

Receptacle on angle (Female)

IEC/CE Configurations

Color Code	Polarity	Part # without Lug (by cable diameter) .70 - .98"	.94 - 1.33"	1.33 - 1.65"	1.57 - 1.89"	Part # without Lug
	L1	46-41001-32P	46-41001-40P	46-41001-50P	46-41001-63P	46-47001
	L2	46-41002-32P	46-41002-40P	46-41002-50P	46-41002-63P	46-47002
	L3	46-41003-32P	46-41003-40P	46-41003-50P	46-41003-63P	46-47003
	NEUTRAL	46-4100N-32P	46-4100N-40P	46-4100N-50P	46-4100N-63P	46-4700N
	GROUND	46-4100T-32P	46-4100T-40P	46-4100T-50P	46-4100T-63P	46-4700T
	POSITIVE	46-4100P-32P	46-4100P-40P	46-4100P-50P	46-4100P-63P	46-4700P
	NEGATIVE	46-4100M-32P	46-4100M-40P	46-4100M-50P	46-4100M-63P	46-4700M

INSTALLATION ACCESSORIES

Accessories rated for hazardous locations are not returnable.

CRIMPING LUGS

Internal Diameter		Straight w/terminal	Straight Threaded	WIRE CAPACITY Flexible Wiring*		Coarse Wiring	
in	mm	Part #	Part #	mm²	AWG	mm²	AWG
.43	11	**45-4A50C**	**45-4A50D**	50	1/0	70	2/0
.51	13.1	**45-4A70C**	**45-4A70D**	70	2/0	95	3/0
.57	14.5	**45-4A95C**	**45-4A95D**	95	3/0	120	4/0
.64	16.2	**45-4A12C**	**45-4A12D**	120	250	150	300
.71	18	**45-4A15C**	**45-4A15D**	150	300	185	400
.81	20.6	**45-4A18C**	**45-4A18D**	185	350	240	450
.91	23.1	**45-4A24C**	**45-4A24D**	240	450	300	500
1.03	26.1	**45-4A30C**	**45-4A30D**	300	600	400	750
1.15	29.2	**45-4A40C**	**45-4A40D**	400	750, 777	500	800

Notes: * Class H & I

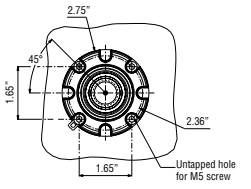
ACCESSORIES

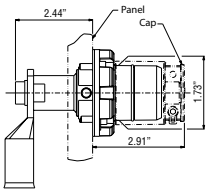
DRAWBAR	Part #
	45-4A376

Dimensions Inlet/Receptacle – Provided in inches

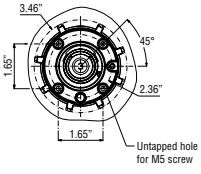
Dimensions are for reference only and may change depending on accessories used. For precise dimensions contact MELTRIC Engineering.

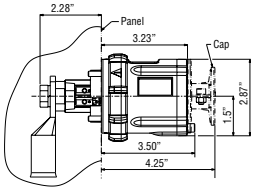
Inlet



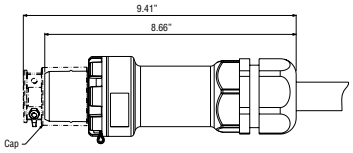


Receptacle

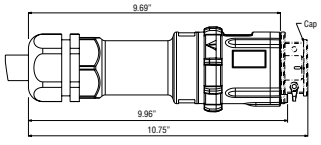




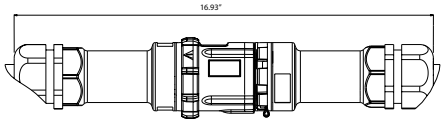
Plug



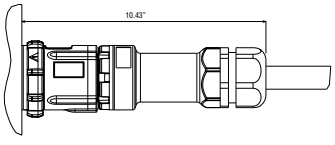
Connector



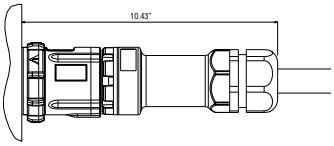
Plug/Connector



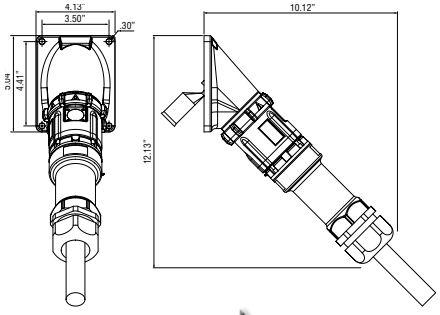
Plug with Connector On/Off



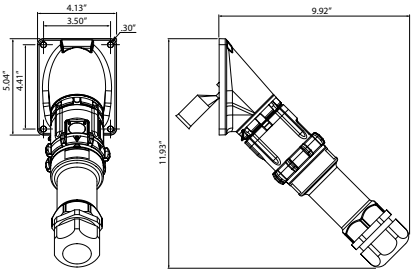
Connector with Plug On/Off



45° Inclined Receptacle/Angle with Plug



45° Inclined Inlet/Angle with Connector



Visit meltric.com to view and download detailed SP drawing files.

BOXES Hazardous Location

TECHNOR ITALSMEA
A COMPANY OF MARECHAL ELECTRIC

SB Series

316L Stainless Steel Enclosures

- Meets ATEX and IECEx standards for use in explosive environments. Meets UL standard for use as an industrial control panel.
- Over 20 standard sizes available
- Custom sizes can be ordered ranging from 100mm x 120mm x 100mm thru 910mm x 1140mm x 500mm
- Can be ordered empty or as a complete customized control panel per customer specifications

Technical Features

- **Box material:** Stainless steel AISI 316L, 1.5 mm thickness
- **Surface treatment:** Acid treatment
- **Gaskets:** Silicon rubber (suitable for use between -70°C/+200°C)
- **Environmental Rating:** IP66/IP67, Type 1, 4, 4X, 12
- **Shock resistance:** IK10
- **Ambient Temperature:** From -50°C to +60°C (ATEX), From -50°C to +95°C (IECEx) From -40°C to +40°C (UL)
- **Approvals:** cULus: file UL E488994
  ATEX: IMQ 08 ATEX 028X and IMQ 16 ATEX 004 U
  IECEx: IECEx IMQ 15.0002X and IECEX IMQ 15.0010U
  EAC: TR CU 05.B.01093
- **ATEX/IECEx Marking:**
  CE Ex II 2 GD
  Ex e IIC T(**) Gb / Ex ia IIC T(**) Gb / Ex ib IIC T(**) Gb
  Ex tb IIIC T(**) Db IP66/67
  ** T6/T85°C, T5/T100°C, T4/T135°C
- **Compliance:** IECEx / ATEX: IEC/EN : 60079-0 / 60079-1 / 60079-7 / 60079-11 / 60079-18 / 60079-31
  UL: UL 508A and CSA C22.2 No. 14-13
- **Standard certificate label:** Self adhesive UV and corrosion resistant polyester
- **Entries:** Up to 80 mm diameter

Key Options Available

- Entries – added as needed
- Hinges – optional without
- Doors – optional locked
- Side gland plates
- Other options:
  - Breather drains
  - Viewing windows
  - Ground studs
  - Internal mounting plates
  - Acrylic laminated or stainless steel tag & certification labels
  - Other material thickness available
  - Electro polishing

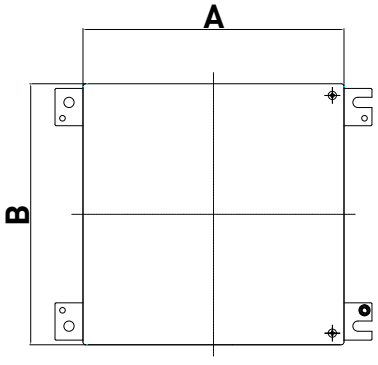
SB Series 316L Stainless Steel Enclosure

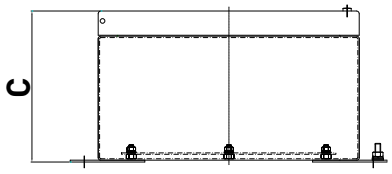
Devices rated for hazardous locations are not returnable.

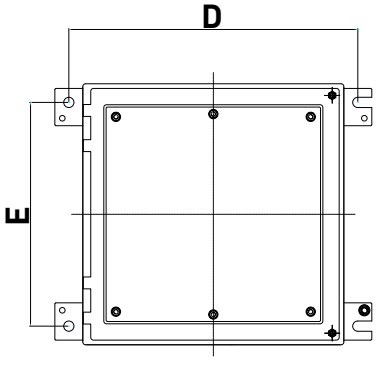
PART NUMBER	DIMENSIONS (mm)*					MAXIMUM CABLE ENTRIES W/O GLAND PLATE		MAXIMUM CABLE ENTRIES W/GLAND PLATE		MAX N° TERMINALS		WEIGHT (KG)
	A	B	C	D	E	SIDE A	SIDE B	SIDE A	SIDE B	2,5 MM²	4 MM²	
SB-101210**	100	120	100	150	–	4	4	–	–	7	6	1.5
SB-151510**	150	150	100	180	–	6	6	–	–	13	11	2.5
SB-202010	200	200	100	230	160	9	9	–	–	22	19	3.0
SB-202016	200	200	160	230	160	15	15	8	8	22	19	3.5
SB-204016	200	400	160	230	360	15	30	8	18	66	57	4.8
SB-282816	280	280	160	310	240	21	21	12	12	76	64	5.2
SB-282827	280	280	270	310	240	46	46	33	33	76	64	7.5
SB-302016	300	200	160	330	160	21	15	12	8	44	38	5.0
SB-383816	380	380	160	410	340	30	30	18	18	114	96	8.1
SB-383827	380	380	270	410	340	67	67	51	51	114	96	10.1
SB-384516	380	450	160	410	410	30	36	18	20	171	144	10.7
SB-385716	380	570	160	410	530	30	45	18	28	228	192	16.4
SB-575716	570	570	160	600	530	45	45	28	28	372	312	16.4
SB-575730	570	570	300	600	530	116	116	95	95	372	312	21.4
SB-577620	570	760	200	600	720	73	98	54	74	558	468	21.7
SB-769520	760	950	200	790	910	98	125	74	94	990	834	32.9
SB-272713	270	270	130	300	230	14	14	6	6	36	30	4.5
SB-353516	350	350	160	380	310	27	27	16	16	102	86	5.6
SB-142013	140	200	130	170	160	6	10	2	4	11	9	4.0
SB-202713	200	270	130	230	230	10	14	4	6	36	30	7.0
SB-273513	270	350	130	300	310	14	18	6	8	72	60	9.5
SB-355016	350	500	160	380	460	27	39	16	24	160	134	13.0
SB-505016	500	500	160	530	460	39	39	24	24	240	201	14.5

* Upon request, any dimension between 100x120x100 and 910x1140x500 can be manufactured.
** The enclosure is only available without hinges.

Dimensions – Provided in mm





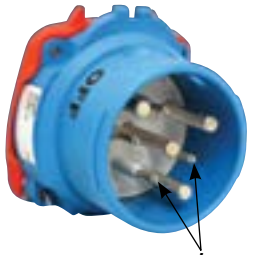


ACCESSORIES/OPTIONS

AUXILIARY/PILOT CONTACTS..... P. 245
ADDITIONAL WATERTIGHTNESS ..... P. 246
LID CONFIGURATIONS ..... P. 247
PLUG CAPS..... P. 248
PAWL OPTIONS ..... P. 249
AUXILIARY SWITCHES..... P. 250
SELF-EJECTING DEVICES ..... P. 251

AUXILIARY/PILOT CONTACTS

Auxiliary/pilot contacts can operate secondary circuits on the inlet or receptacle side of the circuit. They make last and break first when the plug is engaged or disengaged from the receptacle. To order a device with auxiliary/pilot contacts, add the appropriate suffix numbers listed to the right. Amperage ratings for the auxiliary/pilot contacts depend on the device size and operating voltage (see table below).



Switch-rated plugs & receptacles with auxiliary/pilot contacts can make the operation of a facility safer and more efficient by facilitating the use of advanced control schemes. They allow facilities to:

- **Quickly reconfigure or change-out processing equipment.** – The need for hardwiring or multiple plug connections is eliminated.
- **Reduce equipment costs.** – The need for separate connections for the auxiliary/pilot contacts is eliminated.
- **Simplify the monitoring of key parameters.** – Thermistors on a motor driving a critical process pump can communicate temperature problems via auxiliary/pilot contacts in the Decontactor.
- **Communicate alarm signals or turn off equipment.** – When a motor is disconnected or unplugged, the auxiliary/pilot contacts can convey a signal that will de-energize the motor starter.

Auxiliary Contact Amperage Ratings

Product	DSN20	DSN30 DSN60	DSN150	DS20 DS30 DS60 2 Aux DS100C 2 Aux DSN100 2 Aux	DS100 DS200	DS60 3+4 Aux DS100C 3+4 Aux DSN100 3+4 Aux	DXN30 DXN60	PFQ300	PF (all sizes)	DR30 DR50 DR100 2 Aux	DR150 DR225 DR250 DR400	DR100 3+4 Aux	SP	SPeX	DS7c	DR7c
120 VAC	0.60 A	6 A	1.50 A	6 A	1.50 A	3 A	5 A*	7 A	10 A*	6 A	1.50 A	3 A	0.60 A**	-	-	-
240 VAC	0.30 A	3 A	0.75 A	3 A	0.75 A	1.50 A	5 A*	5 A	10 A*	3 A	0.75 A	1.50 A	1 A	6 A* (220V max)	-	5 A*
480 VAC	-	1.50 A	0.38 A	1.50 A	0.38 A	0.75 A	5 A	2 A*	10 A*	1.50 A	0.38 A	0.75 A	-	-	5 A* (400V max)	-
600 VAC	-	1.20 A	0.30 A	1.20 A	0.30 A	0.60 A	5 A* (550V max)	2 A*	10 A*	1.20 A	0.30 A	0.60 A	-	-	-	-

* Rating is not UL or CSA listed **Rating is not UL listed.

Ordering Information

To order on a device, add the appropriate suffix to both the inlet and receptacle part numbers.

Product	DSN					DS								DXN		PFQ	PF			DR						DR7c DS7c	SP
	20*	30	60	100	150	20	30	60 Poly	60 Metal	100C Poly	100C Metal	100	200	30	60	300	300	400	600	30	50	100 Poly	100 Metal	150	250		
2 contacts	-972	-972	-972	-972	-262	-972	-972	-972	-972	-972	-972	-262	-972	-972	-972	–	–	–	–	-972	-972	-972	-972	-262	-972	-172	Standard 2
3 contacts	–	–	-973	-263	-263	–	-973	-263	-263	-263	-263	-263	–	–	–	–	–	–	–	–	-973	-263	-263	-263	–	-173	–
4 contacts	–	–	-974	-264	-264	–	-974	-264	-264	-264	-264	-264	-174	–	–	Standard 8	Standard 4	Standard 4	Standard 4	–	-974	-264	-264	-264	-174	–	–
5 contacts	–	–	–	–	-975	–	–	–	–	–	–	-975	–	–	–	–	–	–	–	–	–	–	–	-975	–	–	–
6 contacts	–	–	–	–	-976	–	–	–	–	–	–	-976	-976	–	–	–	–	–	–	–	–	–	–	-976	-976	–	–

* Suffix on receptacle only.

Replacement Auxiliary Contacts

Product	DSN				DS				DR			
	30	60	100	150	20	30	60	100C	30	50	100	150
Male contact	61-3A011-380	61-6A011-264	31-6A011-172	61-9A011-219	31-1A011-380	61-6A011-262	31-6A011-172	31-6A011-172	31-1A011-380	61-6A011-262	31-6A011-172	61-9A011-219
Female contact	61-3A021-380	61-6A021-264	31-6A229	61-9A229	31-1A021-380	61-6A021-262	31-6A229	31-6A229	31-1A021-380	61-6A021-262	31-6A229	61-9A229

ADDITIONAL WATERTIGHTNESS

For additional water protection when the inlet and receptacle are mated the following Type 4X option may be ordered for DS or DR models.

Type 4X Watertightness

Type 4X waterproofing is used for applications where connectors, plugs, and receptacles are subjected to water pressure. A gasket is added to the inlet and the receptacle lid is made to normally close.

Example:
To order on a device add suffix ***-4X*** *to the inlet and receptacle part number.*

*DS20 Poly Inlet 2P + E = 33-18162****-4X***

LID CONFIGURATIONS

There are four standard open lid configurations depending on the model and size of the device: 180° open, 120° open, 90° open and detached. Optionally, customers can order lids that are normally closed, or if the lid opens to 120° as standard, it can be ordered to open 180° for flush mounted inlets (DS & DR only).

Standard Lid Configurations

180° OPENING LIDS

Standard for:
DSN20, DSN30, DSN60, DSN100, DSN150
DS20, DS30, DS60, DS100C, DS100, DS200
DR30, DR50, DR100, DR150, DR250, DR400
DSDC1, DSDC3, DSDC6, DSDC9, DSDC2
DS7c, DR7c
DSN12c, DSN24c, DSN37c
DXN20
DX1, DX3, DX6, DX9

120° OPENING LIDS

Standard for:
PN
DN9c, DN20c
PXN12c

90° OPENING LIDS

Standard for:
DXN30, DXN60

DETACHED LIDS

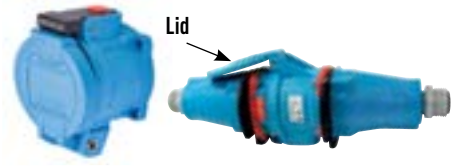
Standard for:
PN stainless steel
DS24c stainless steel
DS37c stainless steel
PFQ300, PF300, PF400, PF600
SP, SPeX
CS1000
DXA1
DXN25c, DXN37c

Notes: DSN, DS, DR, and DSDC Hazardous receptacles have standard lid configurations that are the same as their industrial ordinary location equivalents, except they are normally closed.

Optional Lid Configurations

Closed Lid

Designed for receptacles only. A normally closed lid configuration is available for applications where it is desirable to protect the receptacle face from dust, debris, or potential damage. This option provides a lid that will automatically close to a pre-latch position after removal of the plug. The lid must still be latched manually in order to achieve rated watertightness.



Normally closed lid configuration is recommended for cord to cord applications to keep the lid tucked in and avoid damage.

CLOSED LID

Available as option on:
DSN (All sizes)
DS (All sizes)
DR (All sizes)
DN (All sizes)

Examples:
*To order a DSN, DS, DR, or DN device with a closed lid add **-NC** to the receptacle part number.*

*DS20 Poly receptacle 2P+G = 33-14162-**NC***

*To order a DXN device with a closed lid add **-R** to the receptacle part number.*

*DXN20 receptacle 3P+G = 22-14043-**R***

180° Open Lid for Flush Mounted Inlets (DS, DR & DXN devices only)

When ordering an inlet that will be mounted directly flush against a wall or surface without an angle or box, the connector (receptacle + handle) may require the lid to be set for 180° opening.

180° OPEN LID FOR FLUSH MOUNTED INLETS

Available as option on:
DN9c, DN20c
DXN30, DXN60

Example:
*To order this configuration add suffix **-180** to the receptacle part number.*

*DXN30 Receptacle 3P+N+G= 22-34047-**180***

INLET/PLUG CAPS

Protective Inlet/Plug Caps

Neoprene caps provide an extra level of protection from dust, dirt, and rough handling for male plugs.

Typical for DSN, DS20, DS30, DS60, DS100C, DR30, DR50, DR100, DXN

Typical for DSN150, DS100, DS200, DR150, DR250, DR400

Typical for DN devices

Typical for PN devices

Ordering Information

Model	Protective Inlet/Plug Cap
DSN20/DSN12c	61-1A426
DSN30/DSN24c	61-3A426
DSN60/DSN37c	61-6A426
DSN150	31-9A426
DS20/DR30/DSDC1	31-1A426
DS30/DR50/DSDC3	31-3A426
DS60/DS100c/DSN100 DR100/DS7c/DR7c/DSDC6	31-6A426
DS100/DR150/DSDC9	31-9A426
DS200/DR250/DR400/DSDC2	39-2A426
DXN20	22-1A426
DXN30	22-3A426
DXN60	22-6A426
DN9c	19-1A126*
DN20c	19-6A126*
PN20/PN7c/PN12c	01-NA426
DXA1	281A426
CS1000	45-3A126

* Non-Watertight

Padlockable Inlet/Plug Caps

Padlockable caps can be locked in place to prevent unwanted removal.

Typical for: DSN20, DSN30, DSN60, DSN100 DS20, DS30, DS60, DS100C DR30, DR50, DR100 DSDC1, DSDC3, DSDC6

Typical for: DS60, DS100C, DS100, DS200 DSN100, DSN150, DR100, DR150, DR250, DR400, DSDC9, DSDC2

Ordering Information

Model	Padlockable Inlet/Plug Cap
DSN20/DSN12c	61-1A826
DSN30/DSN24c	61-3A826
DSN60/DSN37c	61-6A826
DSN150/DS100/DSDC9/DR150	DS9MC (Alum)
DS20/DSDC1/DR30	DS1PC (Poly)
DS30/DSDC3/DR50	DS3PC (Poly)
DS60/DSDC6/DS100c/DR100/DS7c/DR7c	DS6MC (Alum)/DS6PC (Poly)
DS200/DSDC2/DR250/DR400	DS2MC (Alum)

Notes: A 5/16" diameter lock/pin is needed for proper operation. Do not substitute a smaller diameter lock/pin.

Model	Springloaded Padlockable Cap
DSN30	61-3A226
DSN60	61-6A226
DS20/DR30/DSDC1	31-1A226
DS30/DR50/DSDC3	31-3A226
DS60/DS100C/DS7c DR7c/DR100/DSDC6 (Poly)	31-6A226
DS60/DS100C/DS7c DR7c/DR100/DSDC6 (Metal)	39-6A226

Notes: A 5/16" diameter lock/pin is needed for proper operation. Do not substitute a smaller diameter lock/pin.

The inlet lockout hole is not completely sealed off by the DS_MC and Springloaded Padlockable caps. If environmental protection is needed while the plug is disconnected, the inlet should be ordered without the standard hole.

Example:
To order an inlet without a lockout hole add suffix –A155 to the inlet part number.

DS60 Metal inlet 2P+G= 37-68162–A155

PAWL OPTIONS

Mushroom Pawl

The mushroom pawl is available as an alternative to the standard pawl. It is ideal for a quick disconnection of motors and other equipment, or in areas where employees use gloves and it is difficult to operate the standard pawls. The button has a red "stop" label for easy recognition.

Example:
*To order on a receptacle add suffix **-375** to the receptacle part number.*

*DSN20 poly receptacle 3P+G=63-14073**-375***

Available on:

DSN, DS, DR and DN devices only

Screw-Type Locking Pawl

Screw-type locking pawls are available that include a screw which can be tightened to "lock" the pawl in place thus preventing release of the plug or the lid.

Example:
*To order on a receptacle add suffix **-845** to the receptacle part number.*

*DS30 poly receptacle 3P+G =33-34163**-845***

Available on:

DSN, DS, DR and DN devices only

Padlockable Mushroom Pawl

A padlockable mushroom pawl can be provided with a .32" hole that enables the lid to be locked closed, prohibiting access to the receptacle. Lockout Pin (LP-843) sold separately.

Example:
*To order on a receptacle add **-375-843** to the receptacle part number.*

*DS30 poly receptacle 3P+G = 33-38043**-375-843***

Available on:

DSN, DS, DR and DN devices only

Notes: A 5/16" diameter lock or lockout pin is needed for proper operation. Do not substitute a smaller diameter lock/pin.

Padlockable Standard Pawl

Standard pawls can be provided with a .32" hole that allows the lid of the receptacle to be locked closed or alternatively the plug can be locked in the connected position. Lockout Pin sold separately

Ex*ample:*
*To order on a receptacle add suffix **-843** to the receptacle part number.*

*DSN20 poly receptacle 3P+G = 63-14073**-843***

Available on:

DSN, DS, DR, DXN and DN devices only

Notes: A 5/16" diameter lock or lockout pin is needed for proper operation. Do not substitute a smaller diameter lock/pin.

Metal Pawl

Metal pawls are standard with metal receptacles only. If you prefer a metal pawl on a poly receptacle, add suffix **-824** to the poly receptacle part number.

Example:
*DS60 poly receptacle 3P+G=33-64163**-824***

Available on:

DSN, DS, DR and DXN devices only

AUXILIARY SWITCHES

Female receptacles/connectors with up to 3 poles/4 wires are available with an optional auxiliary switch for operating secondary circuits on the line side of the circuit. The auxiliary switch is rated at 5A and includes one set of NO and one set of NC contacts. With the three phase devices the neutral contact of the plug operates the switch which is located in the neutral contact position in the receptacle. With the single phase units the third phase contact on the plug operates the switch which is located in the third phase contact position in the receptacle.

Examples:
Order a device with an auxiliary switch by adding suffix ***-270*** *to the receptacle or inlet part number.*
*DSN30 Poly Receptacle 3P+G = 63-34043****-270***
*DSN30 Poly Inlet 3P+G=63-38043****-270***

Notes: Devices ordered with auxiliary switch option are not UL/CSA listed.

SELF-EJECTING DEVICES

General

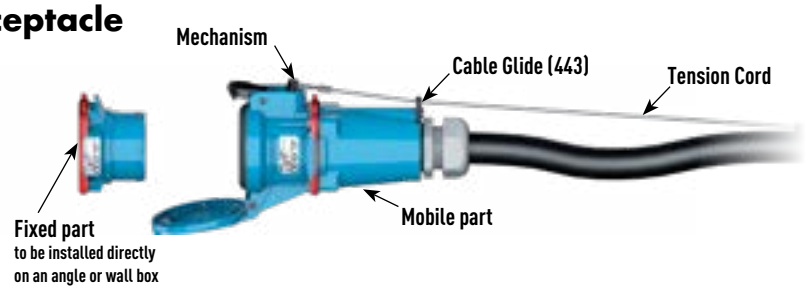
Self-ejecting devices protect equipment from damage caused when mobile equipment is accidentally moved without disconnecting power. Self-ejecting systems are designed to automatically release the plug or connector when tension is detected by a tension cord attached between the pawl and the power cable.

Applications

Self-ejecting devices are commonly used on truck hook-ups, cranes, railroad cars, refrigerated food carts, delivery vehicles and other portable equipment.

Self-Ejecting Female Connector/Receptacle

For self-ejecting female connectors, the standard pawl on the connector is replaced by a "shark's fin" pawl that is attached to the power cable via a tension cord. If the connected equipment is moved, the tension cord lifts the shark's fin pawl and the connector is released before damage can occur.



Available on:
DSN (All sizes)
DS (All sizes, except DS200)
DN9c*, DN20c*, DS7c, DR7c

How To Order:
To the female receptacle, add suffix **-354**
To the handle part number, add suffix **443**

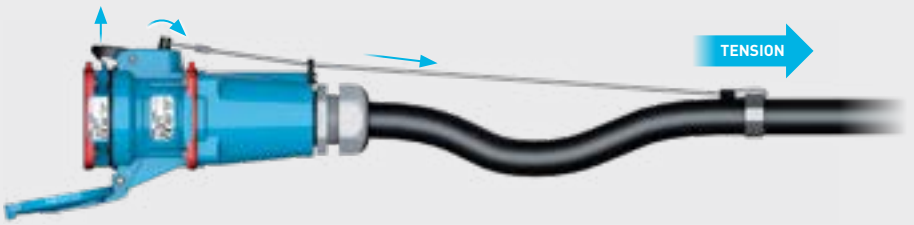
Example:
To order a DSN30 self-ejecting receptacle and poly handle (3/4" NPT), the part numbers would be:

*Receptacle: 63-34043-**354***
*Handle: 512P0N07**443***

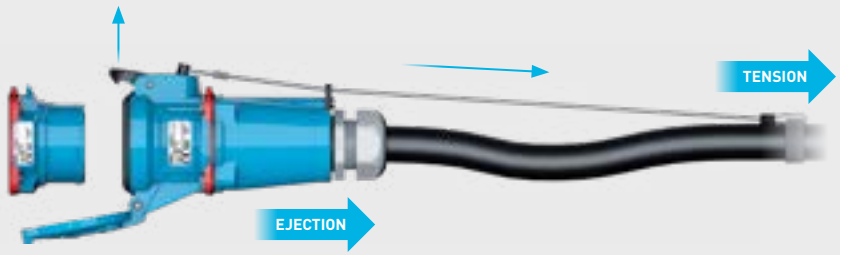
* For DN9c and DN20c ordering, use suffixes listed in DN9c and DN20c section

Notes: Self-ejecting devices are modified to allow straight insertion. This defeats the safety shutter and voids the device's switch-rating.

Step 1: A tension cord is attached to the power cable and the shark fin pawl of the plug. Self-ejection system at rest.



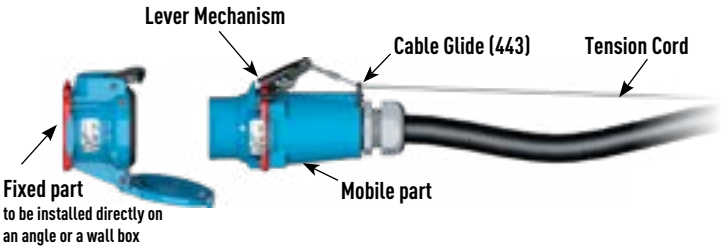
Step 2: Tension on the power cable will automatically lift the shark fin pawl via the tension cord.



Step 3: Once the shark fin pawl is lifted, the receptacle pulls away from the plug.

Self-Ejecting Plug

For self-ejecting plugs, a lever mechanism is added to the assembly and attached to the power cable via a tension cord. When tension is applied to the power cable, the tension cord rotates the lever mechanism, which in turn lifts the standard pawl on the receptacle and releases the plug before damage can occur.



Available on:
DSN20, DSN30, DSN60
DS20, DS30, DS60, DS100C
DSN12c, DSN24c, DSN37c, DS7c, DR7c

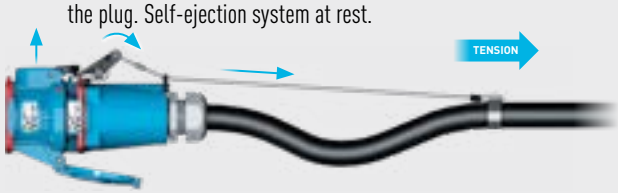
How To Order:
To the male inlet, add suffix **-338**
To the female receptacle, add suffix **-352**
To the handle part number, add suffix **443**

Example:
To order a DSN30 self-ejecting plug, receptacle and poly handle (3/4" NPT), the part numbers would be:

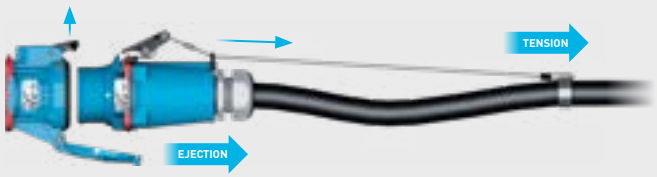
*Inlet: 63-38043-**338***
*Receptacle (straight Insertion): 63-34043-**352***
*Handle: 512P0N07**443***

Notes: Self-ejecting devices are modified to allow straight insertion. This defeats the safety shutter and voids the device's switch-rating.

Step 1: A tension cord is attached to the power cable and the lever mechanism of the plug. Self-ejection system at rest.



Step 2: The tension acts on the power cable and the cord. The lever mechanism gradually raises the receptacle pawl.



Step 3: The receptacle pawl is fully raised by the lever mechanism, causing the automatic ejection of the plug.

Self-Ejecting Plug
(DS100, DSN150, DS200, DN20c only)

For self-ejecting plugs on DS100, DSN150, DS200 and DN20c models, a cam mechanism is used in lieu of the 'lever mechanism.' The principle of operation remains the same.

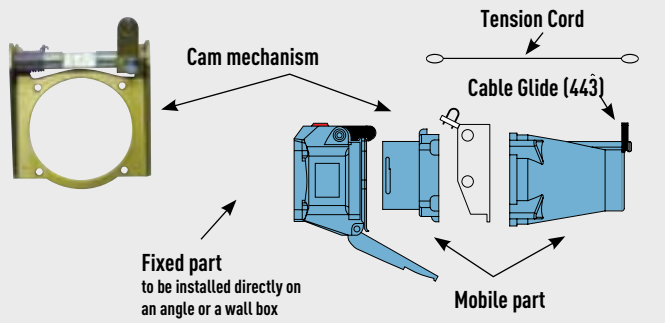
How To Order:*
To the male inlet, add suffix **-338**
To the female receptacle, add suffix **-352**
To the handle part number, add suffix **443**

Example:
To order a poly DS100 self-ejecting plug, receptacle and poly handle (3/4" NPT), the part numbers would be:

*Inlet: 33-98043-**338***
*Receptacle (straight Insertion): 33-94043-**352***
*Handle: 515P0N07**443***

* For DS200 ordering, use suffixes listed in DS200 section
* For DN20c ordering, use suffixes listed in DN20c section

Notes: Self-ejecting devices are modified to allow straight insertion. This defeats the safety shutter and voids the device's switch-rating.



TECHNICAL MANUAL & REFERENCE

SWITCH-RATINGS VS CURRENT INTERRUPTING RATINGS .. P. 255
ELECTRICAL PERFORMANCE ..... P. 256
BUTT-CONTACT TECHNOLOGY ..... P. 259
DEAD-FRONT CONSTRUCTION ..... P. 261
KEYING SYSTEM ..... P. 262
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RESISTANCE TO ENVIRONMENTS AND CHEMICALS ..... P. 263
ENVIRONMENTAL/INGRESS PROTECTION ..... P. 265
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OPERATING TEMPERATURES ..... P. 266
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ELECTRICAL PERFORMANCE – Switch-Rated, Current Interrupting Rated and Non-Current Interrupting Rated Devices

Switch-Rated Plugs & Receptacles

MELTRIC's DSN & DS Series products are UL & CSA listed as switch-rated plugs and receptacles. These ratings allow them to be used as a motor circuit disconnect switch, as well as a branch circuit disconnect switch. Switch-rated plugs and receptacles have passed electrical overload, short circuit and endurance tests that are far more rigorous than those applied to other plugs and receptacles. These tests include the functional requirements for safety disconnect switches in addition to manual motor controllers. For more information about the tested electrical performance of switch-rated devices consult pages 256 - 258.

Current Interrupting Rated Plugs & Receptacles

Other MELTRIC devices such as the DXN plugs and receptacles are UL and/or CSA rated for "current interrupting". A current interrupting rated plug and receptacle is not subjected to the same level of endurance testing as a switch-rated device and does not need to be subjected to any overload-locked rotor or short circuit testing (see pages 256 - 257 for performance test comparisons). Plug and receptacles rated for "current interrupting" are not intended to be used as switches, but can withstand making and breaking of normal resistive loads. Devices that are not hp and short circuit rated are not intended to make and break motor loads or other inductive loads.

Non-Current Interrupting Rated Plugs & Receptacles

Many competitive plugs and receptacles, as well as some MELTRIC devices are "non-current interrupting" rated. They are not approved by UL or CSA for connecting or disconnecting under load. They have passed the minimum test requirements for plugs and receptacles but they have not passed current interrupting performance tests or the more demanding electrical endurance, overload and short circuit tests required of switch-rated devices. For more information about the tested electrical performance of non-current interrupting rated devices consult pages 256 - 257.

Ratings	Product
Switch-Rated	DSN
	DS
Current-Interrupting Rated	DXN
	DXA1
	Multipin
	DR (select models only)
	PN
	DX
	Competitors Pin and Sleeve
Non-Current Interrupting Rated	Multipin
	PF/PFQ
	DSDC
	Single Pole
	Zone 2
	Competitors Pin and Sleeve

ELECTRICAL PERFORMANCE
Overload Conditions

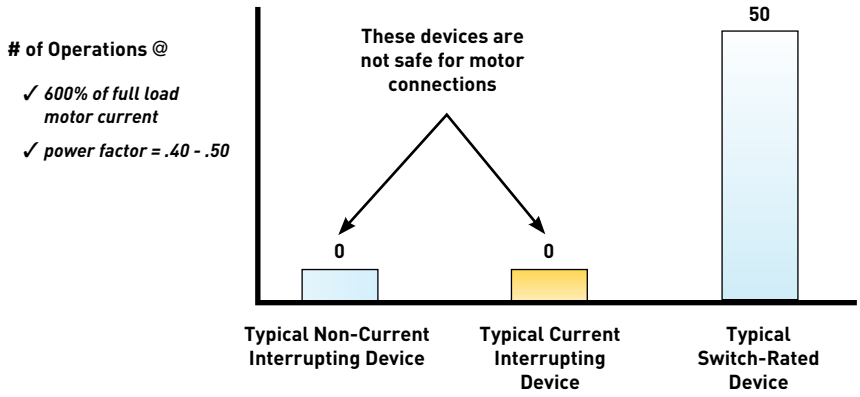
UL & CSA standards for plugs and receptacles require that the devices be able to withstand overload conditions. General use conditions are simulated by testing a device to a specified number of operations (50) at 150% of rated current and a power factor between 0.75 and 0.80. Switch-rated plugs and receptacles that are horsepower rated must perform overload testing at 600% of full load motor current with a more severe power factor (between 0.40 and 0.50) to simulate locked rotor conditions.

UL & CSA Standards – Overload Test Requirements and Ratings Comparisons

Test	UL 1682 & CSA 22.2 No. 182.1		UL Subject 2682 (used for both UL & CSA listings)
	Plugs, Receptacles & Cable Connectors of the Pin & Sleeve Type		Switch-Rated Plugs & Receptacles
	Non-Current Interrupting (Typical)	Current Interrupting	Motor/Branch Circuit Switch-Rated (Typical)
Overload (General Use Devices)	3 Operations @ 150% of Rated Current (p.f. = .75 - .80)	50 Operations @ 150% of Rated Current (p.f. = .75 - .80)	50 Operations @ 150% of Rated Current (p.f. = .75 - .80)
Overload - Locked Rotor (Horsepower Rated Devices)	–	50 Operations* @ 600% Full Load Motor Current (p.f. = .40 - .50)	50 Operations @ 600% Full Load Motor Current (p.f. = .40 - .50)

The overload requirement for testing DC devices is 1 operation.
*Testing is optional.

Test Results: Completed Operations at Overload/Locked Rotor Condition



MELTRIC devices can withstand temporary overloads due to frequent restarting of motors. The same cannot be said for brass pin and sleeve devices. Temporary overloads may heavily oxidize the contacts and cause them to weld.

Motors and other equipment can be quickly and safely connected or disconnected with MELTRIC's Switch-Rated plugs and receptacles.

ELECTRICAL PERFORMANCE
Mechanical and Electrical Endurance

UL and CSA standards require endurance testing to ensure that rated performance is maintained over the expected life of the device. The severity of this testing depends on the rating of the device.

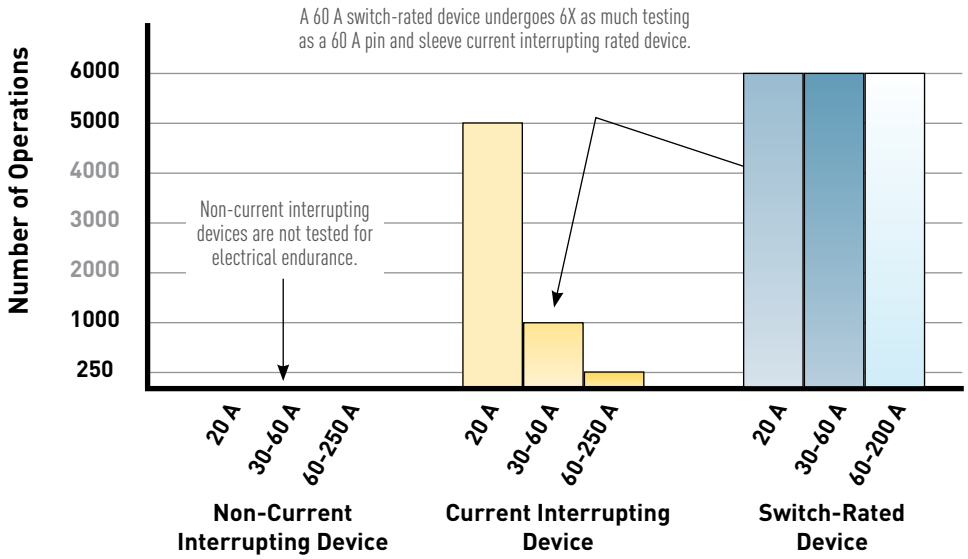
As shown in the chart below, non-current interrupting devices are tested only for mechanical endurance. Current interrupting devices are additionally subjected to moderate electrical endurance testing, and switch-rated devices are subjected to a much more severe level of electrical endurance testing, which is similar to that required of disconnect switches. In this regard, switch-rated devices may be required to make and break under full load more than 20 times as many operations (depending upon device amperage) as a current interrupting rated pin and sleeve device.

UL & CSA Standards – Endurance Test Requirements and Ratings Comparisons

Test	UL 1682 & CSA 22.2 No. 182.1		UL Subject 2682 (used for both UL & CSA listings)
	Plugs, Receptacles & Cable Connectors of the Pin & Sleeve Type		Switch-Rated Plugs & Receptacles
	Non-Current Interrupting (Typical)	Current Interrupting (Typical)	Motor/Branch Circuit Switch-Rated (Typical)
Mechanical Endurance (no load)	15-20 A = 5000 Operations 21-63 A = 2000 Operations 64-250 A = 250 Operations	15-20 A = 0 Operations 21-63 A = 1000 Operations 64-250 A = 500 Operations	4000 Operations
Electrical Endurance (with load)	–	15-20 A = 5000 Operations 21-63 A = 1000 Operations[1] 64-250 A = 250 Operations[1] @ Rated Current & Voltage (p.f. = .75 - .80)	6000 Operations @ Rated Current & Voltage (p.f. = .75 - .80)

Notes: [1] Testing alternates between mechanical & electrical operations. This reduces the severity of the electrical test by allowing additional cooling time during electrical testing.

Electrical Endurance Test Comparison



ELECTRICAL PERFORMANCE
Short Circuit Protection

MELTRIC's DS and DSN products have successfully completed high fault current short circuit testing. All of these devices have short circuit make (close) and withstand ratings of either 10 kA, 65 kA, or 100kA. UL witnessed and approved this testing.

UL Recognized Short Circuit Capabilities

Plug & Receptacle Type	UL Recognized Short Circuit Capabilities		Product Standard
	Short Circuit Ratings		
	Withstand	Make	
General Use Pin & Sleeve Devices	None	None	UL 1682
HP Rated Twist-Type Devices	1 kA	None	UL 498
Motor Rated Pin & Sleeve Devices	10 kA	None	UL 1682
MELTRIC Switch-Rated Devices	**≥ 65 kA**	**≥ 65 kA**	**UL Subject 2682**

Short Circuit Test Information

Fusing – The amperage and time delay characteristics of the fusing used in testing affect the electrical load seen by the device. UL Subject 2682 requires horsepower rated devices to withstand short circuit tests performed with fuses rated no larger than 400% of full load ampacity for motor circuits, or at least 100% of the amperage rating of devices for general branch circuit use.

MELTRIC used Mersen RK1 non-time delay type fusing for the horsepower rated devices because it is a common type of fuse used in motor applications. MELTRIC used RK5 time delayed fusing for non-horsepower ratings because it represents the most severe case of the various fusing scenarios that are typically used for general use applications.

Power Factor – The lower the power factor (p.f.) the more rigorous the test. UL Subject 2682 requires horsepower rated devices to withstand a short circuit test of 10,000 amps with a p.f. of 0.40 to 0.50. By comparison, UL 1682 requires devices with the same horsepower rating to withstand a 10,000 amp short circuit test with a much less rigorous p.f. of 0.70 to 0.80.

Short Circuit Test Summary Table

Device Information		Short Circuit Make & Withstand Rating[1]			
Model	General Use Rating	kA	VAC	Fusing used in Testing	
DSN20	20 A	10	600	RK1	80 A
		100	600	RK1	35 A
DSN30	30 A	100	600	RK1	125 A
DSN60	60 A	100	600	RK1	125 A
DSN100	100 A	100	600	RK1	250 A
DSN150	150 A	10	600	RK1	400 A
	*	100	600	RK1	225 A
DS20	20 A	100	600	RK1	80 A
DS30	30 A	100	600	RK1	125 A
DS60	60 A	100	600	RK1	250 A
DS100C	100 A	100	600	RK1	250 A
DS100	100 A	65	600	RK1	175 A
	100 A	65	600	RK5 TD	100 A
DS200	200 A	10	600	RK1	500 A
		65	600	RK5 TD	200 A

1 Testing performed with RK1 NTD current limiting fuse. Fuse was based on fuse sized HP rating or greater. Testing performed with RK5 to current limiting fuse was based on fuses sized at 100% of the device rating for branch circuits.

* The fusing used limits the 100kA rating to 60hp @ 600V, 40hp @ 480V, 20hp @ 240V & 208V.

CONTACT TECHNOLOGY

Silver-Nickel Contact Material

MELTRIC products feature solid silver-nickel (85%/15%), spring-loaded butt contacts similar to those used in motor starters and contactors. The silver-nickel material has significant advantages over the brass contacts commonly used on competitive devices.

Silver has very low initial contact resistance and is not negatively affected by oxidation. This helps to give it excellent electrical properties that are maintained even at high temperatures and after tarnishing. Nickel is a much harder material and contributes excellent mechanical properties. The combination of silver and nickel results in a contact material that has both superior electrical capabilities and excellent resistance to wear. Silver-nickel only welds at extremely high pressure and temperature, and thus, also withstands arcs very well. These features make silver-nickel a commonly used contact material by switchgear manufacturers.

By contrast, the brass material used in most competitive plugs and receptacles has much higher initial contact resistance and is negatively affected by oxidation. In an oxidized state, the contact resistance of brass is more than 20 times higher than that of silver-nickel. In addition, brass is a soft material that wears rapidly. In use, brass pin and sleeve and arcuate contacts suffer from the combined effects of the limitations of the material and the design. As oxidation and wear induced reductions in contact force occur, contact resistance increases. This increases operating temperature, which causes further oxidation and wear, perpetuating a vicious cycle of degradation. Brass is not arc resistant and is not suitable for making and breaking under load.

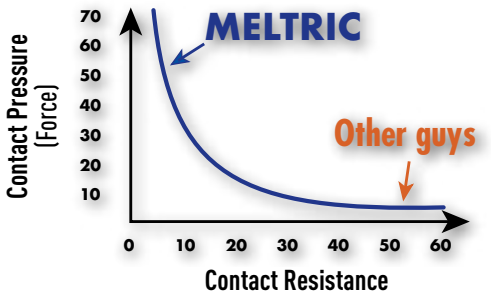
MATERIAL	CONTACT RESISTANCE	
	NEW	OXIDIZED
SILVER	6 μΩ	25 μΩ
SILVER-NICKEL	23 μΩ	60 μΩ
COPPER	29 μΩ	400 μΩ
BRASS	370 μΩ	1400 μΩ

In an oxidized state, silver-nickel is 20 times more conductive than brass.

Comparison of pin and sleeve to MELTRIC solid silver-nickel contacts

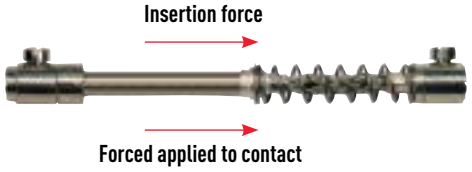
Spring-Loaded Contacts

Spring-loading of the contacts ensures that optimal pressure between the contacts is maintained – even after thousands of operations. This point is important because contact force is a key determinant of the quality of the connection. As the accompanying graph demonstrates, contact resistance increases as contact force decreases. Higher contact resistance generates more heat and oxidation, both of which contribute to the deterioration of the contact and loss of energy. This is a problem with pin and sleeve and arcuate type contacts because their contact force varies with manufacturing tolerances and is reduced due to wear that occurs with normal use.



Butt-Style Connection

MELTRIC's butt-style contact configuration provides a positive and secure connection and also makes connection and disconnection easy. With butt contacts, the force applied to the contacts is in-line with the insertion motion, so inserting a plug into its socket requires only a known and limited amount of effort. Contact wear and sensitivity to manufacturing tolerances is negligible, because the spring-loading is sufficient to compensate for minor differences in contact length.



With MELTRIC's butt contacts the force applied to the contacts is in-line with the insertion motion.

With the pin and sleeve design used by our competitors, the contact force is at a right angle to the insertion/withdrawal force. There are numerous drawbacks to such a design:

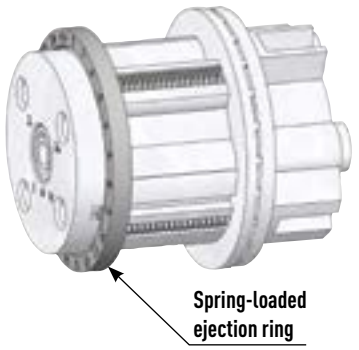
- The contact pressure must be sufficient to prevent excessive temperature rise but is limited by the need to keep the insertion force reasonable.
- The necessary friction wears out the contacts, and diminishes contact pressure over time.
- Normal manufacturing tolerances result in wide variations in performance, even with new devices.
- The sliding contact design does not make & break cleanly, so arcing is more likely to occur.

Quick Break Mechanism

On most MELTRIC devices, the circuit is broken simply by depressing the pawl. Doing so releases the energy in a spring-loaded operating mechanism, which instantaneously breaks the circuit and ejects the plug to the 'OFF' position. Contact breaking time is about 15 milliseconds. The quick break mechanism is automatically reloaded when the plug is re-inserted.

In contrast, the disconnection speed of pin and sleeve and twist type devices is dependent on the user's motion when removing the plug.

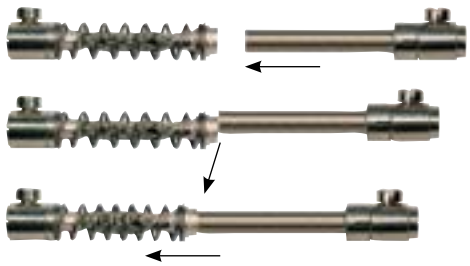
DECONTACTOR™ Technology



Spring-loaded ejection system ensures a quick break of the contacts.

Self-Cleaning System

Most MELTRIC contacts close with a self-cleaning, wiping action. When the contacts initially mate, they are slightly offset. In completing the connection, the plug contacts are rotated partially across the receptacle contacts, helping to remove deposits from the contact surface.



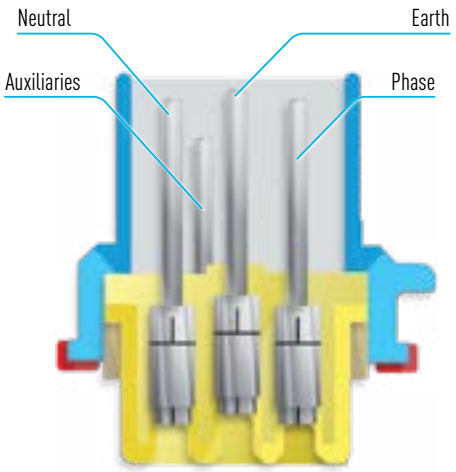
MELTRIC contacts are self-cleaning.

Contact Mating Sequence

MELTRIC contacts mate in a specific sequence to ensure a proper and safe connection.

1. The earth (ground) closes first
2. Then the neutral,
3. Then the phases,
4. Then the auxiliary contacts, if any. These auxiliary contacts can, therefore, be used as "pilot" contacts.

On opening, the sequence is reversed.



The contacts are set in the plug at different levels to achieve the desired mating sequence.

DEAD-FRONT AND ENCLOSED ARC CHAMBERS

For Maximum Protection from Live Parts

Most MELTRIC receptacles feature a dead-front which encloses and isolates the live contacts when the plug is removed. Only electrically compatible plugs can unlock the safety shutter and gain access to the live parts. In addition to preventing accidental exposure to live parts, the safety shutter also keeps the contacts clean and out of reach even if the lid is left open.

The receptacle's dead-front protects workers from accidental tool and wire insertion.

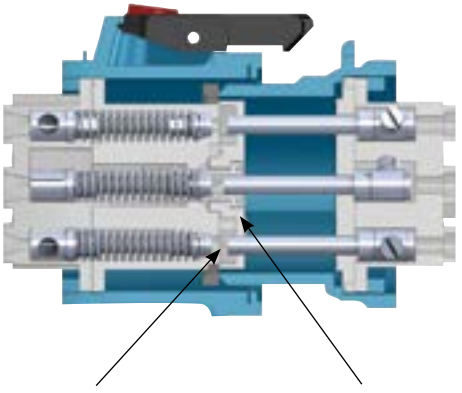
Protection During the Making and Breaking Process

When disconnecting or connecting a MELTRIC plug from/to a receptacle, the user is completely protected from exposure to arc flash or live parts. This is because the contacts can only make or break while they are enclosed in internal arc chambers within the receptacle.

During disconnection, the pressing of the pawl on the receptacle breaks the connection (inside the arc chambers) and ejects the plug to its rest or "OFF" position. While in the rest position, the plug and receptacle casings maintain a dead front and thus protect the user from live parts. The plug cannot be fully withdrawn until it is rotated 30° counterclockwise. This closes and locks the safety shutter preventing access to live parts during and after the removal of the plug.

During connection, the plug contacts can only access the receptacle contacts after the plug has been partially inserted into the receptacle and has then been rotated 30° to open the safety shutter. Because the interaction of the skirted plug casing with the receptacle forms a protective enclosure that prevents access to the contacts as soon as insertion begins, a dead front is maintained even after the safety shutter is opened. Once the safety shutter has been opened, the plug contacts can be safely inserted into the arc chambers where the connection is made as the plug is latched to the receptacle.

DECONTACTOR™ Technology

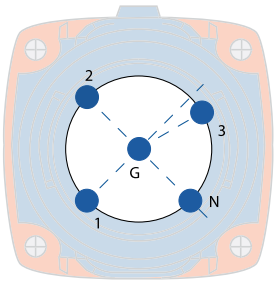


Protection from Insertion of Inappropriate Plugs

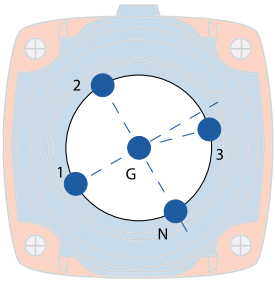
Most MELTRIC products utilize multiple keying positions to prevent mating of mismatched voltage/frequency combinations. Only plugs and receptacles that are keyed/notched in the same positions will mate with each other. Non-compatible plugs will be unable to open the safety shutter. This system prevents potentially dangerous situations. For example, a 250 VAC plug (notch 07) cannot be inserted into a 480 VAC receptacle (notch 04). Alternatively, on the PF and DX series, pegs and holes perform the same function as the notches.

Note: Some of the keying positions have been assigned to a designated global voltage. A few others are unassigned and are available if a user prefers to limit mating of plugs and receptacles that are only to be used on particular applications.

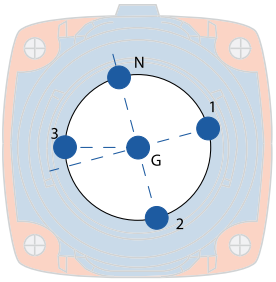
Commonly Used Keying Positions



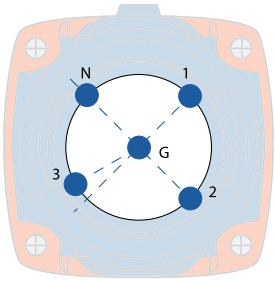
Position 04
255-277 VAC/440-480 VAC 60 Hz



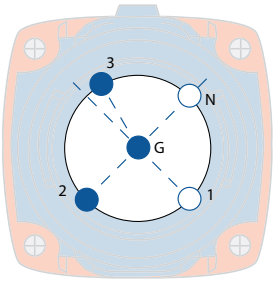
Position 07
110-125/220-250 VAC 60 Hz



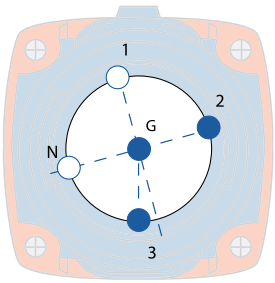
Position 14
347/600 VAC 60 Hz



Position 16
120-127 VAC/208-220 VAC 60 Hz



Position 10
110-130 VDC



Position 20
220-250 VDC

Note: See chart on page 15 for a complete list of voltage polarization positions and associated voltages.

How to Identify Keying Positions of an Existing Device

Plug

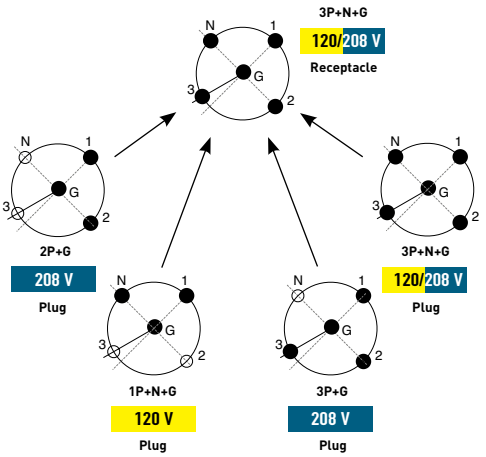
The keying position of most MELTRIC plugs can be determined by looking at the plug interior and finding a thin, raised line in the casing. This line is always directly above a number that identifies the plug's keying position.

Dual Voltage Devices Maximize User Flexibility

Some MELTRIC receptacles are designed to safely allow dual voltage capabilities.

For example, a 120/208 V rated 3P+N+G receptacle will safely provide power to several configurations of 208 V plugs and a single phase 120 V plug. Having two voltages delivered by a single receptacle allows some facilities to significantly reduce the number of receptacles that need to be installed.

Dual voltage receptacles are supplied with dual color coded voltage stickers.



Dual Voltages Typically Available from MELTRIC

125/250 V | 120/208 V | 277/480 V | 347/600 V

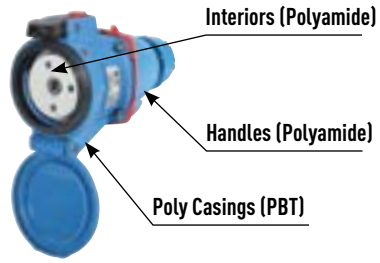
DEVICE MATERIALS AND THEIR RESISTANCE TO ENVIRONMENTS AND CHEMICALS

Polymeric Materials

Casings – The common technical name for the "Poly" material used by MELTRIC is polyamide (nylon). It's a glass fibers reinforced, heat stabilized material which provides outstanding resistance to most chemical agents and environmental conditions, including UV. This material also offers high impact resistance across a broad spectrum of temperatures (shock resistance ratings to IK09) and creep resistance..

Interiors – The arc chambers for most MELTRIC devices are made of Polyamide. Other materials are used such as Melamine and Bakelite.

Accessories – Handles, angles and wall boxes are made of Polyamide (they are supplied with self tapping screws).



Products with Poly (PBT) casings
DSN20. DSN30, DSN60, DSN100, DSN150
DS20, DS30, DS60, DS100, DS100C
DR30, DR50, DR100, DR150
DXN20, DXN30, DXN60
DSN12c, DSN24c, DSN37c, DS7c, DR7c

Resistance of Polymeric Casings to Various Chemical Agents

see note on following page

Agent		Polyester reinforced glass fiber			Polyamide		
		23°C	60°C	80°C	23°C	60°C	80°C
Butyl acetate		☆☆	☆☆		☆☆		
Ethyl acetate		☆			☆☆		
Acetone		☆			☆☆		
Acetic acid	5%	☆☆	☆☆	☆	☆	☆	–
	10%	☆☆	☆	☆	☆	–	–
Hydrochloric acid	10%	☆☆	☆☆	☆☆	☆	–	–
Chromic acid	40%	☆☆	☆☆	☆☆	–	–	
Citric acid	10%	☆☆	☆☆	☆☆	☆		
Formic acid	5%	☆☆	☆	☆	☆	☆	
Nitric acid	10%	☆☆	☆	☆	☆	–	
Oleic acid	100%	☆☆	☆☆	☆☆	☆		
Phosphoric acid	3%	☆☆	☆☆	☆☆	☆		
	30%	☆☆	☆☆	☆☆	–	–	
	85% (conc)	☆☆	☆☆	☆☆	–	–	
Sulphuric acid	3%	☆☆	☆☆	☆☆	–	–	
	30%	☆☆	☆☆	☆☆	–	–	
Ethyl alcohol		☆☆			☆☆		
Methyl alcohol		☆☆			☆☆		
Aniline		☆☆			–		
Benzene		☆	☆		☆☆		
Soda Bicarbonate	10%	☆☆	☆	–	☆☆	☆☆	☆
Potassium bichromate	10%		☆☆			☆☆	
Sodium bisulphate	10%	☆☆	☆	–	☆☆	☆	
Butane		☆☆			☆☆		
Butanol		☆	☆		☆		
Soda carbonate	10%	☆☆	–	–	☆☆	☆☆	☆
	20%	☆☆	–	–	☆☆	☆	☆
Disulphuric carbonate		☆☆			☆☆		
Calcium chloride	10%	☆☆	☆☆		☆☆		
Potassium chloride	10%	☆☆	☆	–	☆☆		
Sodium chloride	10%	☆☆	☆	–	☆☆		
Detergents	1%	☆☆	☆	–	☆☆	☆	
	25%	☆☆	☆	–	☆☆	☆	
Dibutylphtalate		☆☆	☆☆		☆☆		
Dichlorethane		–			☆☆		
Dioxane		☆☆	–		☆☆		
Water		☆☆	☆	–	☆☆	☆☆	☆
Bleach		☆☆	☆		☆☆		
Gas		☆☆			☆☆		
Turpentine		☆☆			☆☆☆		

Agent		Polyester reinforced glass fiber			Polyamide		
		23°C	60°C	80°C	23°C	60°C	80°C
White spirit		☆☆			☆☆		
Ether		☆☆			☆☆		
Freon 11		☆☆			☆☆		
Glycerine		☆	☆		☆☆	☆	–
Glycol		☆	☆		☆☆	☆	–
Grease		☆☆	☆☆	☆☆	☆☆	☆☆	☆☆
Heptane		☆☆			☆☆		
Hexane		☆☆			☆☆		
Cotton seed oil		☆☆	☆☆	☆☆	☆☆	☆☆	☆☆
Silicon oil		☆☆	☆☆	☆☆	☆☆	☆☆	☆☆
Processing oil		☆☆	☆☆	☆☆	☆☆	☆☆	☆☆
Diesel oil		☆☆			☆☆		
Olive oil		☆☆	☆☆	☆☆	☆☆	☆☆	☆☆
Mineral oil		☆☆	☆☆	☆☆	☆☆	☆☆	☆☆
Engine oil		☆☆	☆☆	☆☆	☆☆	☆☆	☆☆
Plant oil		☆☆	☆☆	☆☆	☆☆	☆☆	☆☆
Ammonium hydroxide	10%	☆			☆☆		
	conc	–			☆☆		
Potassium hydroxide	1%	–	–	–	☆☆		
	10%	–	–	–	☆☆		
Sodium hydroxide	1%	–	–	–	☆☆		
	10%	–	–	–	☆☆		
Calcium hypochlorite		☆☆	☆☆		☆☆		
Sodium hypochlorite	10%	☆☆	☆	–	–		
Isopropanol		☆	☆		☆		
Braking liquid		☆☆	☆☆	☆☆	☆☆		
Methylethycetone		☆☆	☆		☆☆		
Perchlorethylene		☆☆	☆☆		☆☆	☆	–
Potassium permanganate	10%	☆☆			–		
Oil		–			–		
Hydrogen peroxide	3%	☆☆			–		
	30%	☆☆			–		
Soap solution	1%	☆☆	–	–	☆☆		
Carbon tetrachloride		☆☆			☆☆		
Tetrahydrofurane		☆			☆		
Toluene		☆☆			☆☆		
Trichlorethylene		☆			☆☆	☆	☆
Vaseline		☆☆	☆☆	☆☆	☆☆	☆☆	☆☆
Xylene		☆☆			☆☆		

Legend: ☆☆ = Excellent ☆ = Good – = Poor

Metal Materials

Casings – Metal casings providing even greater impact resistance are standard on some MELTRIC products and are optional on others. Depending upon the product line, these casings may be made of zamak, aluminum or stainless steel. Aluminum, is the most commonly used. Aluminum receptacles are blue epoxy coated and aluminum plugs are specially treated to further improve corrosion resistance.

Contacts – All MELTRIC contact surfaces are made of solid silver-nickel with the exception of the PF and PFQ contacts which are solid pure silver. Silver-nickel and silver both provide excellent resistance to climatic conditions and to all known chemical agents found in industry with the exception of sulphuric acid. Products installed in sulphuric acid environments should have an environmental rating of at least Type 4X or IP66.

Accessories – Wall boxes, angles, and handles are in zamak or aluminum alloy. All zamak accessories are standardly protected by an epoxy paint.

Products with Metal Zamak casings
PN20, PN7c, PN12c, DN20c, DN9c

Products with Aluminum casings
PN (HT)
DS60, DS100, DS200
DSN100, DSN150
DR100, DR150, DR250, DR400
DS7c, DR7c
DX1, DX3, DX6, DX9
PFQ300, PF300, PF400, PF600
DXA1

Products with Stainless Steel casings
PN7c, PN12c
DS24c, DS37c

Contact customer service for availability of Stainless Steel on other products.

Resistance of Metal Casings to Corrosive Agents

Agent	Protected Zamak or Aluminum
Dry lighting gas	☆☆
Water steam	☆
Hot water	☆
Artificial sea water	☆
Soluble oil 3%	☆
Soluble oil 5%	☆☆
Cleansing soap	☆☆
Potash solution 1%	☆
Potash solution 5%	☆
Ammonia 1%	☆
Ammonia 5%	☆
Sodium chloride 1%	☆
Sodium chloride 5%	☆
Acetic acid 1%	☆
Acetic acid 5%	–
Gas	☆☆
Engine oil	☆☆
Printing ink	☆
Ethyl or methyl alcohol	☆☆
Trichloethylene	☆
Dry insecticides	☆

Legend: ☆☆ = Excellent ☆ = Good – = Poor

These resistance charts are intended to give a general overview of the performance of our casings and mounting accessories. It is not intended to provide a guarantee of performance of our product as that will depend on the concentration of the chemical, the application temperature, the duration of the exposure, and other application specific factors. In cases where chemical compatibility may be in question the established practice is to place a representative sample device in the application environment to see how it holds up.

ENVIRONMENTAL/INGRESS PROTECTION (ENCLOSURE TYPE AND IP RATINGS)

Product	Type	IP
DSN	4X	69/69k
DS+	4X	69/69k
DR+	4X	69/69k
PN7c/PN12c	-	66/67
DSN12c	-	66/67/69
DSN24c/DSN37c	-	66/67
DN9c/DN20c	-	54
DN7c/DR7c	-	66/67
PN20	4X	-
PNHT	-	44
DSDC+	4X	69/69k
PF/PFQ	-	66/67
SP/CS1000	-	66/67

+ DS20, DS30, DR30, DR50, DSDC1, DSDC3 come standard as 3R with 4X upgrade available as an option. These devices will not have an associated IP rating.
Note: The ratings in the table above do not apply to stainless steel devices.

Environmental Ratings Explained

NEMA/UL/CSA Enclosure Types (UL50)

Enclosure Type	Intended Use and Description
1	Indoor use primarily to provide a degree of protection against limited amounts of falling dirt.
2	Indoor use primarily to provide a degree of protection against limited amounts of waste and falling dirt.
3, 3R, 3S	Outdoor use primarily to provide a degree of protection against rain, sleet, and damage from external ice formation
4, 4X	Indoor or outdoor use primarily to provide a degree of protection against windblown dust and rain, splashing water, hose-directed water, and damage from external ice formation.
12	Indoor use primarily to provide a degree of protection against circulating dust, falling dirt and dripping non-corrosive liquids.

IP Ratings (IEC/EN 60529)

First Digit Protection against the ingress of solid foreign objects and access to hazardous parts			Second Digit Protection against the ingress of water with harmful effects	
0	No protection	–	**0**	No protection
1	50 mm	Back of hand	**1**	Vertically dripping water (condensation)
2	12.5 mm	Finger	**2**	Dripping water at 15°
3	2.5 mm	Tool	**3**	Spraying water at 60° (rain)
4	1 mm	Wire	**4**	Splashing water from any direction
5	Against Dust	–	**5**	Jetting water from any direction
6	Dust-tight	–	**6**	Powerful jetting water from any direction
–		–	**7**	Temporary submersion
–		–	**9(K)**	High pressure, high temperature jet sprays

IMPACT RESISTANCE

MELTRIC product resistance to mechanical shocks is specified in accordance with their IK ratings.

MELTRIC Products IK Ratings (per IEC/EN 50102)

Product	Material	IK Ratings
DSN	Poly	09 (10 Joules)
DS	Poly	09 (10 Joules)
DS	Metal	09 (10 Joules)
DR	Poly	09 (10 Joules)
DR	Metal	09 (10 Joules)
DN	Metal	09 (10 Joules)
PN	Poly	09 (10 Joules)
PN/PXN12c	Metal	09 (10 Joules)
PF	Metal	10 (20 Joules)
DX	Metal	10 (20 Joules)
DXN	Poly	09 (10 Joules)
DXN25c/37c	Metal	09 (10 Joules)
SP/SPeX	Poly	09 (10 Joules)
DXA1	Metal	10 (20 Joules)
CS1000	Poly	08 (5 Joules)

OPERATING TEMPERATURES

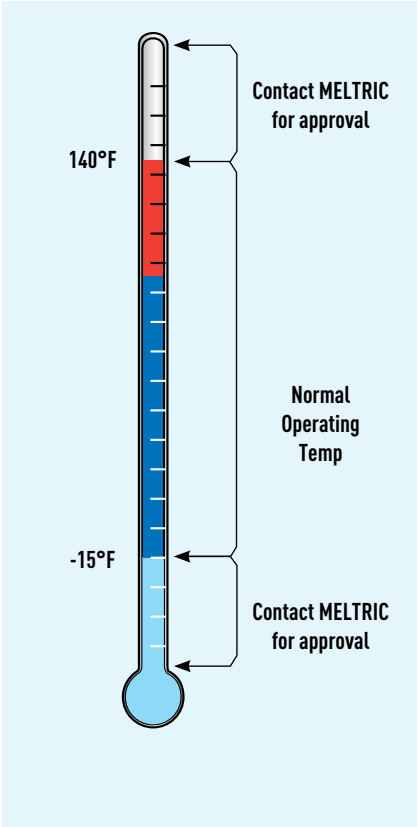
Most MELTRIC plugs and receptacles can be used with no particular precaution from -15°F to 140°F/-26°C to 60°C.

Hot Temperatures

Some devices that do not contain any polyamide can operate up to 175°F/80°C but precise conditions and duty cycles must be submitted to the MELTRIC engineering department for approval. A limited range of products are available for ambient temperatures up to 465°F/240°C. Contact MELTRIC customer service for more information.

Cold Temperatures

Below -15°F materials become more brittle and impact should be avoided, especially on polyamide materials. However, MELTRIC's metal and polyester casings can be used as low as -40°F/-40°C and some MELTRIC devices are in service at -75°F/-60°C. Consult factory for more information.



COLOR CODED GASKETS & LABELS
FOR VOLTAGE IDENTIFICATION

PIN CONFIGURATION	VOLTAGE RANGE	FREQUENCY	5th, 6th and 7th PART NUMBER DIGITS	RECEPTACLE/CONNECTOR		PLUG/INLET	
				COLOR GASKET	VOLTAGE STICKER	COLOR GASKET	VOLTAGE STICKER
1P+N+G	110 - 125 V	60 Hz	075	ORANGE	ORANGE	ORANGE	ORANGE
	120 - 127 V	60 Hz	165	YELLOW	YELLOW	YELLOW	YELLOW
	255 - 277 V	60 Hz	045	GREY	GREY	GREY	GREY
	347 V	60 Hz	145	RED	RED	RED	RED
	110 - 130 V	50 Hz	035	YELLOW	YELLOW	YELLOW	YELLOW
	220 - 250 V	50 Hz	015	BLUE	BLUE	BLUE	BLUE
	380 - 440 V	50 Hz	195	RED	RED	RED	RED
	577 V	50 Hz	225	BLACK	BLACK	BLACK	BLACK
	115 - 127 V	200 Hz	125	GREEN	YELLOW	GREEN	YELLOW
	115 - 127 V	400 Hz	115	GREEN	YELLOW	GREEN	YELLOW
2P	20 - 24 V	60 Hz	02A	VIOLET	VIOLET	VIOLET	VIOLET
	20 - 24 V	50 Hz	08A	VIOLET	VIOLET	VIOLET	VIOLET
	25 - 28 V	50 Hz	06A	VIOLET	VIOLET	VIOLET	VIOLET
	40 - 48 V	50 Hz	13A	WHITE	WHITE	WHITE	WHITE
2P+G	208 - 220 V	60 Hz	162	BLUE	BLUE	BLUE	BLUE
	220 - 250 V	60 Hz	072	ORANGE	ORANGE	ORANGE	ORANGE
	440 - 480 V	60 Hz	042	RED	RED	RED	RED
	600 V	60 Hz	142	BLACK	BLACK	BLACK	BLACK
	190 - 230 V	50 Hz	032	BLUE	BLUE	BLUE	BLUE
	380 - 440 V	50 Hz	012	RED	RED	RED	RED
	480 - 500 V	50 Hz	092	BLACK	BLACK	BLACK	BLACK
	660 - 690 V	50 Hz	192	BLACK	BLACK	BLACK	BLACK
	1000 V	50 Hz	222	BLACK	BLACK	BLACK	BLACK
	200 - 220 V	200 Hz	122	GREEN	BLUE	GREEN	BLUE
	200 - 220 V	400 Hz	112	GREEN	BLUE	GREEN	BLUE
	110 - 130 V	DC	109	YELLOW	YELLOW	YELLOW	YELLOW
	220 - 250 V	DC	209	BLUE	BLUE	BLUE	BLUE

PIN CONFIGURATION	VOLTAGE RANGE	FREQUENCY	5th, 6th and 7th PART NUMBER DIGITS	RECEPTACLE/CONNECTOR		PLUG/INLET	
				COLOR GASKET	VOLTAGE STICKER	COLOR GASKET	VOLTAGE STICKER
2P+N+G	110 - 125 V 220 - 250 V	60 Hz	076	ORANGE	ORANGE	ORANGE	ORANGE
	120 - 127 V 208 - 220 V	60 Hz	166	BLUE	YELLOW BLUE	BLUE	YELLOW BLUE
	255 - 277 V 440 - 480 V	60 Hz	046	RED	GREY RED	RED	GREY RED
	347 - 600 V	60 Hz	146	BLACK	RED BLACK	BLACK	RED BLACK
	110 - 130 V 190 - 230 V	50 Hz	036	BLUE	YELLOW BLUE	BLUE	BLUE
	220 - 250 V 380 - 440 V	50 Hz	016	RED	BLUE RED	RED	RED
	380 - 400 V 660 - 690 V	50 Hz	196	BLACK	RED BLACK	BLACK	BLACK
	480 - 500 V	50 Hz	096	BLACK	BLACK	BLACK	BLACK
	115 - 127 V 200 - 220 V	200 Hz	126	GREEN	YELLOW BLUE	GREEN	BLUE
	115 - 127 V 200 - 220 V	400 Hz	116	GREEN	YELLOW BLUE	GREEN	BLUE
3P+G	208 - 220 V	60 Hz	163	BLUE	BLUE	BLUE	BLUE
	220 - 250 V	60 Hz	073	ORANGE	ORANGE	ORANGE	ORANGE
	440 - 480 V	60 Hz	043	RED	RED	RED	RED
	600 V	60 Hz	143	BLACK	BLACK	BLACK	BLACK
	190 - 230 V	50 Hz	033	BLUE	BLUE	BLUE	BLUE
	380 - 440 V	50 Hz	013	RED	RED	RED	RED
	480 - 500 V	50 Hz	093	BLACK	BLACK	BLACK	BLACK
	660 - 690 V	50 Hz	193	BLACK	BLACK	BLACK	BLACK
	1000 V	50 Hz	223	BLACK	BLACK	BLACK	BLACK
	200 - 220 V	200 Hz	123	GREEN	BLUE	GREEN	BLUE
	200 - 220 V	400 Hz	113	GREEN	BLUE	GREEN	BLUE
3P+N+G	110 - 125 V 220 - 250 V	60 Hz	077	ORANGE	ORANGE	ORANGE	ORANGE
	120 - 127 V 208 - 220 V	60 Hz	167	BLUE	YELLOW BLUE	BLUE	YELLOW BLUE
	255 - 277 V 440 - 480 V	60 Hz	047	RED	GREY RED	RED	GREY RED
	347 - 600 V	60 Hz	147	BLACK	RED BLACK	BLACK	RED BLACK
	110 - 130 V 190 - 230 V	50 Hz	037	BLUE	YELLOW BLUE	BLUE	BLUE
	220 - 250 V 380 - 440 V	50 Hz	017	RED	BLUE RED	RED	RED
	380 - 400 V 660 - 690 V	50 Hz	197	BLACK	RED BLACK	BLACK	BLACK
	480 - 500 V	50 Hz	097	BLACK	BLACK	BLACK	BLACK
	115 - 127 V 200 - 220 V	200 Hz	127	GREEN	YELLOW BLUE	GREEN	BLUE
	115 - 127 V 200 - 220 V	400 Hz	117	GREEN	YELLOW BLUE	GREEN	BLUE
MULTIPIN		NOT	SPECIFIED	SKY BLUE	SKY BLUE	SKY BLUE	SKY BLUE

SUFFIXES

Quick Reference Table

Suffix	Description	Applicable Products	Special Instructions
-001	Reverse Interior	PN7c, PN12c, PN20	Add to inlet and receptacle part numbers
-026	Black Device Gasket	DS, DR, DSN	
-080	Junction Box w/Angle	All	
-1	1" NPT Thread Size for Conduit Entry	DSN, DS, DR, DX, PN, DN, DXN	Add to applicable accessories
-112	1 1/2" NPT Thread Size for Conduit Entry	DSN, DS, DR, DX, DN, DXN	Add to applicable accessories
-12	1/2" NPT Thread Size for Conduit Entry	DS, DR, DX, DN, DXN, DXA1	Add to applicable accessories
-114	1 1/4" NPT Thread Size for Conduit Entry	DSN, DS, DR, DX, PN, DN, DXN	Add to applicable accessories
-172	2 Auxiliary/Pilot Contacts	Select DSN, DS, DR models	Add to inlet & receptacle part number
-173	3 Auxiliary/Pilot Contacts	Select DSN, DS, DR models	Add to inlet & receptacle part number
-174	4 Auxiliary/Pilot Contacts	Select DSN, DS, DR models	Add to inlet & receptacle part number
-175	5 Auxiliary/Pilot Contacts	Select DSN, DS, DR models	Add to inlet & receptacle part number
-180	180° Lid Opening for Flush Mounted Inlets	DN, DXN	Add to receptacle part number
-185	High Temp Product	PNHT	Add to inlet or receptacle part number
-2	2" NPT Thread Size for Conduit Entry	DS, DR, DX, DN	Add to applicable accessories
-200	Cable Range 2.000" - 2.125"	PF/PFQ	Add to handle part number
-20	2" NPT Fitting Size	PF/PFQ	Add to PF/PFQ junction box
-20P	Cable Range .28" - .41"	DXN20, DXN30	Add to plug/connector part number
-212	2 1/2" NPT Thread Size for Conduit Entry	DS, DR, DN	
-225	Cable Range 2.125" - 2.375"	PF/PFQ	Add to handle part number
-237	Cable Range 2.25" - 2.375"	PF/PFQ	Add to handle part number
-25	2 1/2" NPT Fitting Size	PF/PFQ	Add to PF/PFQ junction box
-25P	Cable Range .35" - .67"	DXN	Add to plug/connector part number
-250	Cable Range 2.375" - 2.25"	PF/PFQ	Add to handle part number
-262	2 Auxiliary/Pilot Contacts	Select DSN, DS, DR models	Add to inlet & receptacle part number
-263	3 Auxiliary/Pilot Contacts	Select DSN, DS, DR models	Add to inlet & receptacle part number
-264	4 Auxiliary/Pilot Contacts	Select DSN, DS, DR models	Add to inlet & receptacle part number
-270	Auxiliary Microswitch	DSN, DS, DR	Add to inlet & receptacle part number
-275	Cable Range 2.5" - 2.75"	PF/PFQ	Add to handle part number
-30	3" NPT Fitting Size	PF/PFQ	Add to PF/PFQ junction box
-300	Cable Range 2.75" - 3"	PF/PFQ	Add to handle part number
-312	Cable Range 3" - 3.125"	PF/PFQ	Add to handle part number
-32P	Cable Range .43" - .83"	DXN	Add to plug/connector part number
-335	Cable Range 3.125" - 3.35"	PF/PFQ	Add to handle part number
-338	PRL Release Pawl	DSN,DS20,DS30,DS60,DS100C,DS100,DN	Add to inlet part number
-338-A188	PRL Release Pawl w/Straight Insertion	Select DSN, DS, DN models	Add to inlet part number
-34	3/4" NPT Thread Size for Conduit Entry	DSN, DS, DR, DX, PN, DN, DXN	Add to applicable accessories
-352	Straight Insertion	DSN,DS20,DS30,DS60,DS100C,DS100,DN9c	Add to receptacle part number
-354	SRL Release Pawl w/Straight Insertion for Receptacles	DSN,DS20,DS30,DS60,DS100C,DS100,DN9c	Add to receptacle part number

Suffix	Description	Applicable Products	Special Instructions
-35	3 1/2" NPT Fitting Size	PF/PFQ	Add to PF/PFQ junction box
-350	Cable Range 3.35" - 3.5"	PF/PFQ	Add to handle part number
-375	Mushroom Pawl	DSN, DS, DR	Add to receptacle part number
-375-843	Padlockable Mushroom Pawl	DSN, DS, DR, DN	Add to receptacle part number
-40	4" NPT Fitting Size	PF/PFQ	Add to PF/PFQ junction box
-40P	Cable Range .75" - 1.10"	DXN	Add to plug/connector part number
-473	Finger Drawplate on Handle	DS	Add to handle part number
-48	Inlet or Receptacle w/o Cap	PF	Add to inlet and receptacle part numbers
-4X	Type 4X Watertightness	DS, DR	
-601	Special Adapter Plate for DSN1 Angle on Junction Box	DSN20	
-824	Metal Pawl for Poly Receptacles	DSN, DS, DR	Add to receptacle part number
-824-300	Locking Pawl	PN7c, PN12c, PN20	Add to receptacle part number
-843	Padlock Pawl	DSN, DS, DR, DN, DXN	Add to receptacle part number
-845	Screw-Type Locking Pawl	DS, DR, DN	Add to receptacle part number
-924	Metal Pawl for Poly Receptacles	DXN	Add to receptacle part number
-972	2 Auxiliary/Pilot Contacts	Select DSN, DS, DR models, DXN	Add to inlet and receptacle part numbers
-973	3 Auxiliary/Pilot Contacts	Select DSN, DS, DR models	Add to inlet and receptacle part numbers
-974	4 Auxiliary/Pilot Contacts	Select DSN, DS, DR models	Add to inlet and receptacle part numbers
-975	5 Auxiliary/Pilot Contacts	Select DSN, DS, DR models	Add to inlet and receptacle part numbers
-976	6 Auxiliary/Pilot Contacts	Select DSN, DS, DR models	Add to inlet and receptacle part numbers
-A155	Inlet w/o the Standard Lockout Hole	DSN, DS, DXN	Add to inlet part number
-A188	Straight Insertion	DS200, DN20c	Add to inlet and receptacle part numbers
-B	Bottom Interior Piece	All	
-C-* **	Suffixes for DS100C Inlets & Receptacles	DS100C	Included in inlet/receptacle part number
-HAZ	Zone 2/Div 2 Hazardous Rated Devices	Zone 2	Add to inlet and receptacle part numbers
-HP	High Pressure Water Protection	DN	Add to inlet and receptacle part numbers
-K**	Voltage being used when notching position is not standard	All	Add to inlet and receptacle part numbers
-LC	Less Cover	DSN, DS	Add to receptacle part number
-MTR	Phase Rotation Meter	DSN, DS, DR	Add to plug
-NC	Normally Closed Lid	DSN, DS, DR, DN	Add to receptacle part number
-NP	No Paint on Accessories	All accessories	
-R	Normally Closed Lid	DXN	Add to receptacle part number
-SS	Stainless Steel	PN7c, PN12c, DS24c, DS37c	
-T	Top Interior piece	All	

OLD/NEW ACCESSORIES REFERENCES

Old Part Number	New Part Number
01-NA013	511P0D18
01-NA013-1	511P0N10
01-NA013-12	511P0N05
01-NA013-34	511P0N07
01-NA023-12	511B3N05
01-NA023-34	511B3N07
01-NA025-12	511B0N05
01-NA025-34	511B0N07
01-NA027-601	511M3
01-NA053-080-1	711C3N10
01-NA053-080-112	711C3N15
01-NA053-080-114	711C3N12
01-NA053-080-12	711C3N05
01-NA053-080-34	711C3N07
01-NA055	511B0M20
01-NA313	511P6D18
04-2A090-5-10	751P9N10
04-2A090-5-12	751P9N05
04-2A090-5-34	751P9N07
09-2A013-SS-34	7X1P0N07
09-2A025-185-12	571B0N05185
09-2A025-185-34	571B0N07185
09-2A027-185	571M4185
09-2A053-185-34	571C4N07185
09-2A673-185	571C4M32185
09-2A674-185	571P025M185
09-2A675-185	571P032M185
09-2A913-67	571P020M185
09-2A963-185	571P020M185
09-NA025-12	591B0N05
09-NA025-34	591B0N07
09-NA027	591M4
09-NA053-080-1	791C4N10
09-NA053-080-114	791C4N12
09-NA053-080-114-185	771C4N12185
09-NA053-080-1-185	771C4N10185
09-NA053-080-12	791C4N05
09-NA053-080-12-185	771C4N05185
09-NA053-080-34	791C4N07
09-NA053-080-34-185	771C4N07185
09-NA055	591B0M20
09-NA953-32M	591P032M
09-NA963	591P020M
11-8A013	512P0D21
19-1A013	513P0D30
19-1A053	593B2M20
19-1A953-32M	593P032M
19-3A013	514P0D35
19-3A053	594B2M25
19-3A253-32P	514P032P
19-6A013-1	595P0N10
19-6A013-112	595P0N15
19-6A013-114	595P0N12
19-6A013-2	595P0N20
19-6A013-34	595P0N07
19-6A053	595B2M40
19-6A253-32P	515P032P
19-6A953-32M	595P032M
19-9A253-40P	515P040P
1H12SS	7X2P0N05
1H1SS	7X2P0N10
1H34SS	7X2P0N07
1PH1	512P0N10
1PH114	512P0N12
1PH12	512P0N05
1PH12M	552P0N05
1PH34	512P0N07
1PH34M	552P0N07
1PM511	712P0S11
1PM514	712P0S14
1PM514CG	712P0S14443
1PM516	712P0S16
1PM516CG	712P0S16443
1PM518	712P0S18
1PM520	712P0S20
1PM522	712P0S22
1PM522CG	712P0S22443
2H1	596P0N10
2H112	596P0N15
2H114	596P0N12
2H2	596P0N20
2H212	596P0N25
2H3	596P0N30
2H941	596P0D00941
2H942	596P0D00942
2H943	596P0D00943
2PH1	516P0N10
2PH112	516P0N15
2PH112CG	516P0N15443
2PH114	516P0N12
2PH2	516P0N20
2PH212	516P0N25
31-1A013	512P0D21
31-1A053	512B3M20
31-1A053-080-1	712C3N10
31-1A053-080-112	712C3N15
31-1A053-080-114	712C3N12
31-1A053-080-12	712C3N05
31-1A053-080-34	712C3N07
31-1A083	512B3M25
31-1A253-25P	512P025P
31-1A443-25P	512P025P443
31-1A753	512P020P
31-1A953-32M	592P032M
31-3A027	513M3
31-3A053	513B3M25
31-3A053-080-1	713C3N10
31-3A053-080-112	713C3N15
31-3A053-080-114	713C3N12
31-3A053-080-12	713C3N05
31-3A053-080-34	713C3N07
31-3A473	513P0D30473
31-3A653-417	513C3M20
31-3A753	513P025P
31-3A953-32M	593P032M
31-6A013	514P0D35
31-6A027	514M3
31-6A053-080-1	714C3N10
31-6A053-080-112	714C3N15
31-6A053-080-114	714C3N12
31-6A053-080-2	714C3N20
31-6A253-25P	514P025P
31-6A253-32P	514P032P
31-6A473	514P0D35473
31-6A753	514P040P
31-9A027	515M3
31-9A053-080-1	715C3N10
31-9A053-080-112	715C3N15
31-9A053-080-114	715C3N12
31-9A053-080-2	715C3N20
31-9A053-080-212	715C3N25
31-9A053-080-34	715C3N07
31-9A953-63M	595P063M
35-1A953-25M	5K2P025M
35-2A013-D35	556P0D35
35-2A013-D45	556P0D45
35-2A013-D49	556P0D49
35-6A053-080-112	7K4C0N15

Old Part Number	New Part Number
35-6A473	554P0D35473
35PH1	7K3P0N10
35PH114	7K3P0N12
35PM516	7K3P0S16
35PM522	7K3P0S22
39-1A053-080-SS-1	7X2C3N10
39-1A127	592M0
39-2A053	596E6M63
39-2A053-080-112	796C6N15
39-2A053-080-114	796C6N12
39-2A053-080-2	796C6N20
39-2A053-080-212	796C6N25
39-2A753	516P063P
39-2A913	596P0D54
39-2A953-429	596P0M50
39-2A953-463	596P0M63
39-3A053-080-1	793C3N10
39-3A053-080-114	793C3N12
39-3A053-080-12	793C3N05
39-3A053-080-34	793C3N07
39-3A053-080-SS-1	7X3C3N10
39-3A127	593M0
39-4A025-63M	577C763M
39-4A027-68	5T7M6
39-4A127	5T7M0
39-4A127-115	5T7M0-115
39-4A127-68	5T7M0-68
39-4A915-57	5T7P0D57
39-4A915-62	5T7P0D62
39-4A915-68	5T7P0D68
39-4A915-73	5T7P0D73
39-6A013	514P0D35
39-6A053	594B2M40
39-6A053-080-1	794C3N10
39-6A053-080-112	794C3N15
39-6A053-080-114	794C3N12
39-6A053-080-2	794C3N20
39-6A127	594M0
39-9A053-080-1	795C3N10
39-9A053-080-112	795C3N15
39-9A053-080-112M	7K5C3N15
39-9A053-080-114	795C3N12
39-9A053-080-114M	7K5C3N12
39-9A053-080-2	795C3N20
39-9A053-080-212	795C3N25
39-9A053-080-2M	7K5C3N20

Old Part Number	New Part Number
39-9A053-080-34	795C3N07
39-9A127	595M0
39-9A653	595C3M50
3H1	593P0N10
3H112	593P0N15
3H112SS	7X3P0N15
3H114	593P0N12
3H114SS	7X3P0N12
3H12	593P0N05
3H12SS	7X3P0N05
3H1SS	7X3P0N10
3H2	593P0N20
3H34	593P0N07
3H34SS	7X3P0N07
3HM32SS	7X3P0M32
3PH1	513P0N10
3PH114	513P0N12
3PH12	513P0N05
3PH34	513P0N07
3PHM1	553P0N10
3PHM114	553P0N12
3PHM12	553P0N05
3PHM25	553P0M25
3PM514	713P0S14
3PM514M	753P0S14
3PM516	713P0S16
3PM518	713P0S18
3PM518CG	713P0S18443
3PM520	713P0S20
3PM520CG	713P0S20443
3PM522	713P0S22
3PM522CG	713P0S22443
3PM522M	753P0S22
4MH2	5T7P0N20
4MH212	5T7P0N25
4MH3	5T7P0N30
51-AA058	511C7000
51-AA058Z0694	511C7Z0694
51-AA757	511M7
51-BA058	512C7000
51-BA757	512M7
51-CA058	513C7000
51-CA757	513M7
51-DA058	514C7000
51-DA757	514M7
59-AA058-1	711C7N10

Old Part Number	New Part Number
59-AA058-112	711C7N15
59-AA058-114	711C7N12
59-AA058-12	711C7N05
59-AA058-34	711C7N07
59-BA058-1	712C7N10
59-BA058-112	712C7N15
59-BA058-114	712C7N12
59-BA058-12	712C7N05
59-BA058-34	712C7N07
59-CA058-1	713C7N10
59-CA058-112	713C7N15
59-CA058-114	713C7N12
59-CA058-12	713C7N05
59-CA058-34	713C7N07
59-DA058-1	714C7N10
59-DA058-112	714C7N15
59-DA058-114	714C7N12
59-DA058-12	714C7N05
59-DA058-34	714C7N07
61-1A013	511P0D18
61-1A013-1	511P0N10
61-1A013-12	511P0N05
61-1A013-34	511P0N07
61-1A013-M20	511P0M20
61-1A023-12	511B3N05
61-1A023-34	511B3N07
61-1A027-601	511M3
61-1A053	511B3M20
61-1A053-080-1	711C3N10
61-1A053-080-114	711C3N12
61-1A053-080-12	711C3N05
61-1A053-080-34	711C3N07
61-1A053-080-M20	711C3M20
61-1A053-417	511B3M20
61-1A253-20M	511P020M
61-1A253-25P	511P025P
61-1A253-417	511P0M20
61-1A313	511P6D18
61-1A413	511P0D21
61-1A653	511C3M20
61-3A013	512P0D21
61-3A013-1	512P0N10
61-3A013-114	512P0N12
61-3A013-12	512P0N05
61-3A013-34	512P0N07
61-3A013-488	512P0D21488

OLD/NEW ACCESSORIES REFERENCES

Old Part Number	New Part Number
61-3A023-12	512B3N05
61-3A023-34	512B3N07
61-3A027	512M3
61-3A027-488	512M3488
61-3A053-080-1	712C3N10
61-3A053-080-112	712C3N15
61-3A053-080-114	712C3N12
61-3A053-080-12	712C3N05
61-3A053-080-34	712C3N07
61-3A083	512B3M25
61-3A253-25P	512P025P
61-3A253-32P	512P032P
61-3A253-417	512P0M20
61-3A653	512C3M20
61-3A753	512P020P
61-6A013	513P0D30
61-6A013-1	513P0N10
61-6A013-114	513P0N12
61-6A013-12	513P0N05
61-6A013-34	513P0N07
61-6A023-1	513B3N10
61-6A023-12	513B3N05
61-6A023-34	513B3N07
61-6A027	513M3
61-6A053	513B3M25
61-6A053-080-1	713C3N10
61-6A053-080-112	713C3N15
61-6A053-080-114	713C3N12
61-6A053-080-12	713C3N05
61-6A053-080-34	713C3N07
61-6A253-32P	513P032P
61-6A253-40P	513P040P
61-6A473	513P0D30473
61-6A953-40M	593P040M
61-6A963	593P025M
61-9A253-463	515P0M63
61-9A253-63P	515P063P
65-1A013	551P0D18
65-1A013-34	551P0N07
65-1A027-601	551M3
65-3A013	552P0D21
65-3A013-1	552P0N10
65-3A027	552M3
65-6A013	553P0D30
65-6A013-1	553P0N10
65-6A013-114	553P0N12

Old Part Number	New Part Number
65-6A027	553M3
65-9A013-D25	555P0D25
65-9A013-D35	555P0D35
65-9A013-D45	555P0D45
65-9A013-D49	555P0D49
69-3A127	592M0
69-6A013-1-SS	7X3P0N10
6H1	594P0N10
6H112	594P0N15
6H112AL	7A4P0N15
6H112M	5K4P0N15
6H114	594P0N12
6H114M	5K4P0N12
6H12	594P0N05
6H12M	5K4P0N05
6H1M	5K4P0N10
6H34	594P0N07
6H34M	5K4P0N07
6PH1	514P0N10
6PH112	514P0N15
6PH114	514P0N12
6PH12	514P0N05
6PH1M	554P0N10
6PH34	514P0N07
6PHM-622	754P0S22
6PHM-629	754P0S29
6PM622	714P0S22
6PM622CG	714P0S22443
6PM625	714P0S25
6PM625CG	714P0S25443
6PM627	714P0S27
6PM629	714P0S29
87-3A053-420	593C7M40
87-3A253-32P	513P032P
87-3A963	593P025M
87-6A013	514P0D35
87-6A053	594C7M40
87-6A953-50M	594P050M
87-6A963	594P040M
87-9A823-420	595C7M40
87-9A963	595P050M
89-3A027	593M7
89-3A053-080-1	793C7N10
89-3A053-080-114	793C7N12
89-3A053-080-12	793C7N05
89-3A053-080-34	793C7N07

Old Part Number	New Part Number
89-6A027	594M7
89-6A027M	5K4M7
89-6A053-080-1	794C7N10
89-6A053-080-112	794C7N15
89-6A053-080-114	794C7N12
89-6A053-080-2	794C7N20
89-6A053-080-34	794C7N07
89-9A027	595M7
89-9A027M	5K5M7
89-9A053-080-1	795C7N10
89-9A053-080-112	795C7N15
89-9A053-080-114	795C7N12
89-9A053-080-114-B&L	795C7N12C7
89-9A053-080-2	795C7N20
89-9A053-080-34	795C7N07
9H1	595P0N10
9H112	595P0N15
9H112M	5K5P0N15
9H114	595P0N12
9H114M	5K5P0N12
9H1M	5K5P0N10
9H2	595P0N20
9H2AL	7A5P0N20
9H2-AL	7A5P0N20
9H2CG	595P0N20443
9H2M	5K5P0N20
9H34	595P0N07
9H34M	5K5P0N07
9-LD12-37	61-CA593
9MH1	795P0N10
9MH112	795P0N15
9MH112M	7K5P0N15
9MH114	795P0N12
9MH114M	7K5P0N12
9MH2	795P0N20
9MH212	795P0N25
9MH212M	7K5P0N25
9MH2M	7K5P0N20
9MH34	795P0N07
9PH1	515P0N10
9PH112	515P0N15
9PH114	515P0N12
9PH2	515P0N20
9PH2CG	515P0N20443
9PH34	515P0N07
9PH34CG	515P0N07443

Old Part Number	New Part Number
9PM622	715P0S22
9PM625	715P0S25
9PM627	715P0S27
9PM629	715P0S29
DN63R	19-6A126
FDP2	61-3A346
FDP3	61-6A346
FDP6	31-6A346
FDP9SS	7X5A346
FH111	512P0D21
FH111-488	512P0D21488
FH111CG	512P0D21443
FH111M	552P0D21
FH311	513P0D30
FH311-473	513P0D30473
FH311-488	513P0D30488
FH311CG	513P0D30443
FH311M	553P0D30
FH311M-473	553P0D30473
FH611	514P0D35
FH611-473	514P0D35473
FH611CG	514P0D35443
FH611M	554P0D35
H091U1	591P0N10
H091U1-185	571P0N10185
H091U12	591P0N05
H091U12-185	571P0N05185
H091U12-SS	7X1P0N05
H091U34	591P0N07
H091U34-185	571P0N07185
H091U34-SS	7X1P0N07
H93DNU112	593P0N15
MA1	591M4
MA10	595M3
MA10M	5K5M3
MA110	795M3
MA2	592M3
MA20	596M6
MA220	796M4
MA2SS	7X2M3
MA3	593M3
MA3SS	7X3M3
MA6	594M3
MA660	794M3
MA6M	5K4M3
MAB6	794M3L

Old Part Number	New Part Number
MAB6M	7K4M3L
MAFS1	791M3FS
MAFS2	792M3FS
MAFS3	793M3FS
MB10	7T5F0000
MB101	7T5F0N10
MB10112	7T5F0N15
MB10112M	7K5F0N15
MB10114	7T5F0N12
MB10114M	7K5F0N12
MB102	7T5F0N20
MB10212	7T5F0N25
MB10212M	7K5F0N25
MB102M	7K5F0N20
MB20	7T6F0000
MB20112	7T6F0N15
MB20114	7T6F0N12
MB202	7T6F0N20
MB20212	7T6F0N25
MB22	7T6F0000XL
MB2202	7T6F0N20XL
MB2203	7T6F0N30XL
MB22212	7T6F0N25XL
MB3-0	7T1F0000
MB31	7T1F0N10
MB3112	7T1F0N15
MB3114	7T1F0N12
MB312	7T1F0N05
MB31-34T	7T1F0C22
MB31SS	7X1F0N10
MB334	7T1F0N07
MB334-12B	7T1F0C9
MB334-SS	7X1F0N07
MB3SS	7X1F0000
MB40DR-20	7T7F0N20
MB40DR-25	7T7F0N25
MB40DR-30	7T7F0N30
MB40DR-35	7T7F0N35
MB40DR-40	7T7F0N40
MB6	7T4F0000
MB6-0	7T4F0000
MB61	7T4F0N10
MB6112	7T4F0N15
MB6112M	7K4F0N15
MB6114	7T4F0N12
MB6114M	7K4F0N12

Old Part Number	New Part Number
MB612	7T4F0N05
MB61M	7K4F0N10
MB62	7T4F0N20
MB62M	7K4F0N20
MB634	7T4F0N07
MB634TB	7T4F0N07C2
MC212	512B3N05
MC234	512B3N07
MC31	513B3N10
MC312	513B3N05
MC334	513B3N07
MC61	514B3N10
MC6114	514B3N12
MC612	514B3N05
MC634	514B3N07
MP10	515M3
MP10M	555M3
MP2	512M3
MP2M	552M3
MP3	513M3
MP3M	553M3
MP6	514M3
MP6M	554M3
MS1	591M0
MS10	595M0
MS10M	5K5M0
MS2	592M0
MS20	596M0
MS3	593M0
MS6	594M0
MS6M	5K4M0
MSPN	591M0
MSPN-185	571M0

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