

PRODUCT CATALOG

INDUSTRIAL PLUGS & RECEPTACLES



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• Switch-Rated Plugs & Receptacles

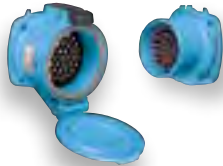
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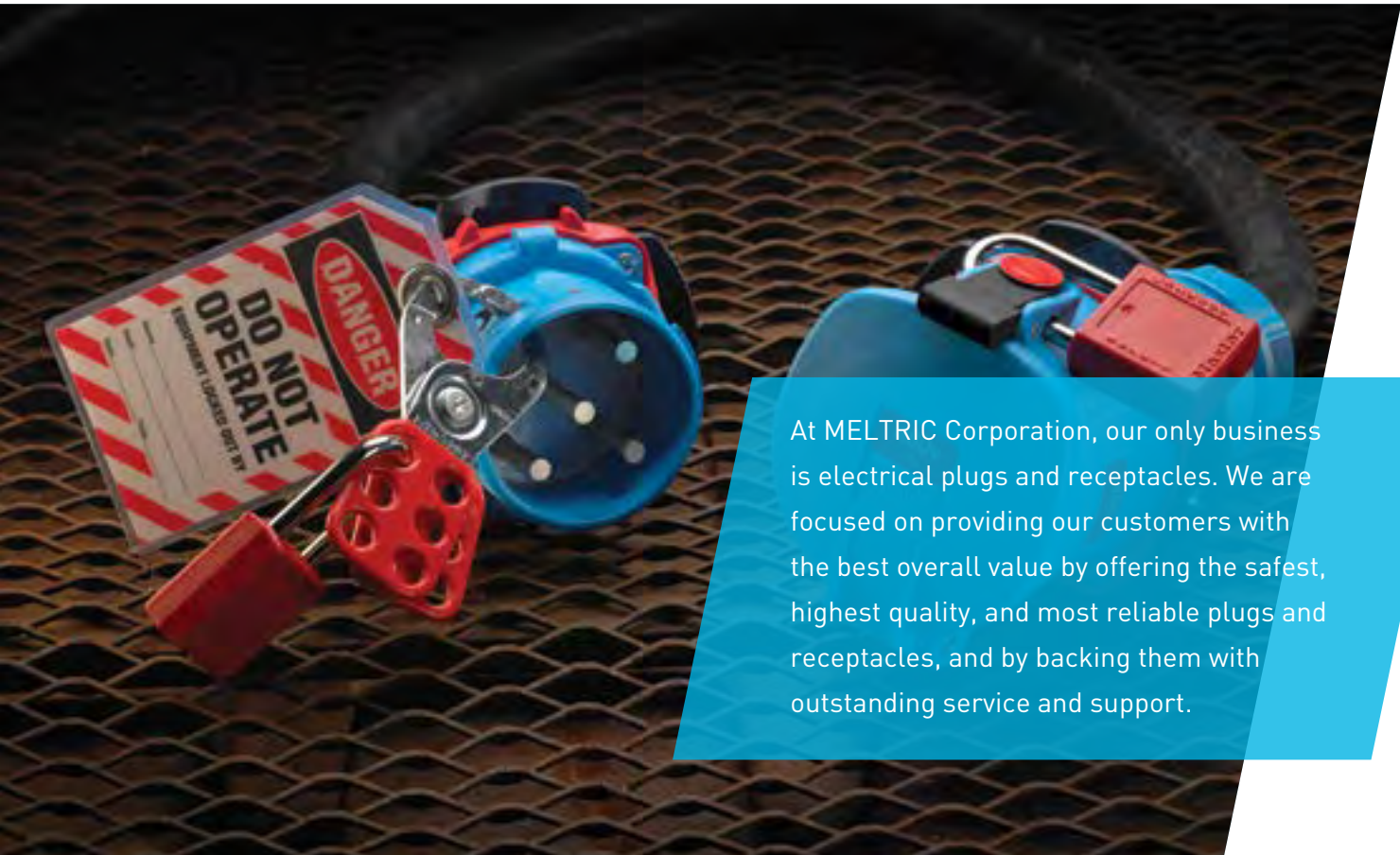
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MELTRIC Corporation

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

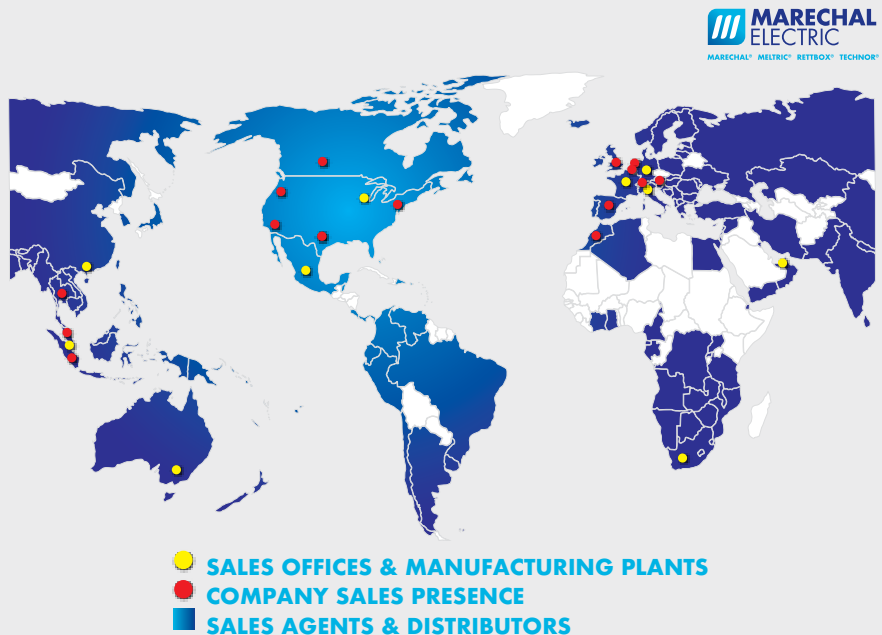
Quality is not just an inspection function at MELTRIC. MELTRIC Quality starts with intelligent designs, robust materials, clear procedures, process measurement and controls, as well as effective communications. Our quality mission is completed through the care, commitment, and involvement of each of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

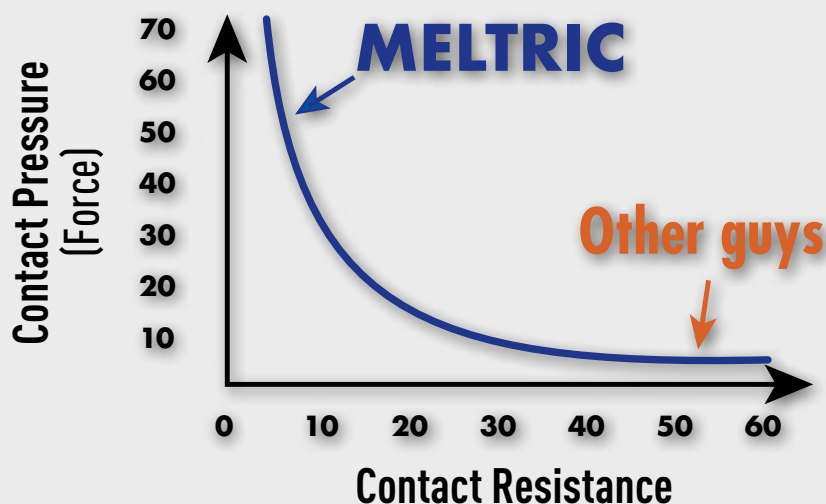


Spring-Loaded Butt Contacts

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.

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.



MATERIAL	CONTACT	
	NEW	OXIDIZED
SILVER	6 $\mu\Omega$	25 $\mu\Omega$
SILVER-NICKEL	23 $\mu\Omega$	60 $\mu\Omega$
COPPER	29 $\mu\Omega$	400 $\mu\Omega$
BRASS	370 $\mu\Omega$	1400 $\mu\Omega$



MELTRIC PRODUCT FEATURES...

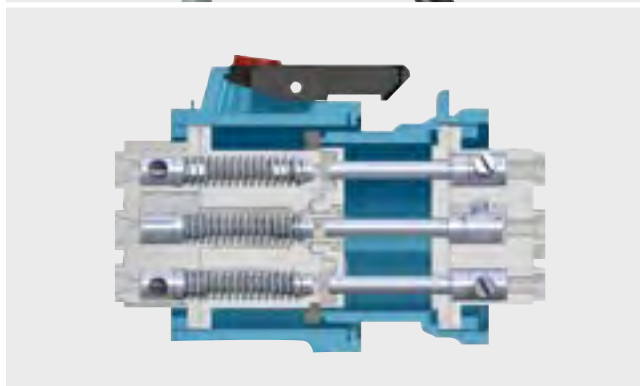
Push-Button Circuit Disconnection

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.



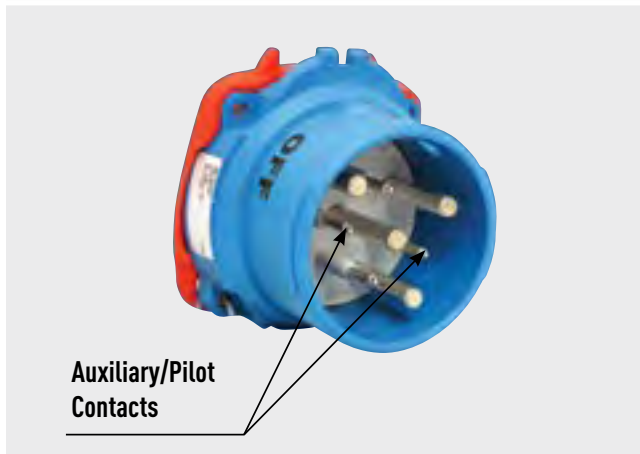
Enclosed Arc Chambers

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.



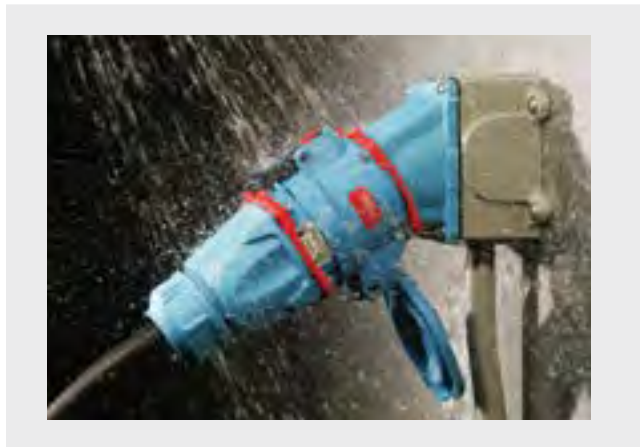
Optional Auxiliary/Pilot Contacts

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.

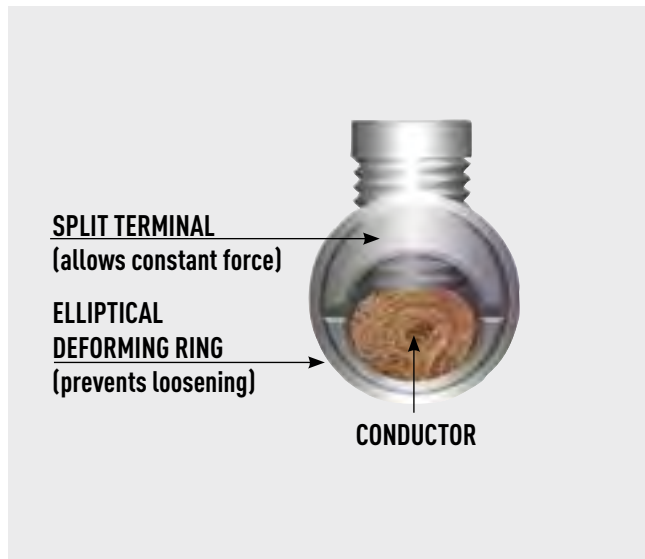
An optional provision for locking out MELTRIC receptacles is also available. In most cases this is accomplished via a specially machined hole in the receptacle pawl which allows insertion of a padlock to secure the receptacle lid in a closed position. This same optional provision can be used to prevent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

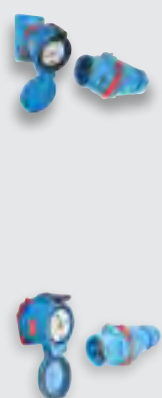
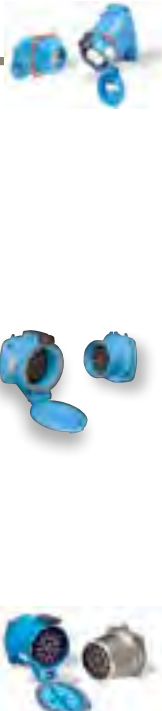
Modular Construction

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

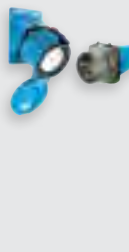

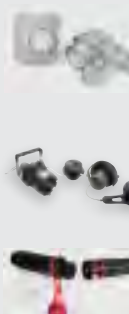
** DSN20 auxiliary contacts just provide a continuity loop thru the receptacle to indicate that a plug is connected.

...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...

Hazardous Location

Model	Amp Rating	Maximum Voltage Rating		Environmental Ratings		Available Casing Materials			Maximum Number of Contacts		
		VAC	VDC	Type	IP	Poly	Metal	SS	Main	Aux.	
	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

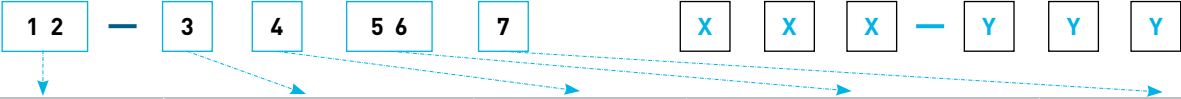
Model	Current Interruption Rating	Horsepower Ratings (see catalog section for other voltages)			Main Contacts Wire Size Capacity		Terminal Type
		240 V - 3Ø	480 V - 3Ø	600 V - 3Ø	Min	Max	
DXN20	Current Interrupting	2 hp	7.5 hp	7.5 hp	16 AWG	10 AWG	Screw
DXN30	Current Interrupting	5 hp	10 hp	15 hp	14 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



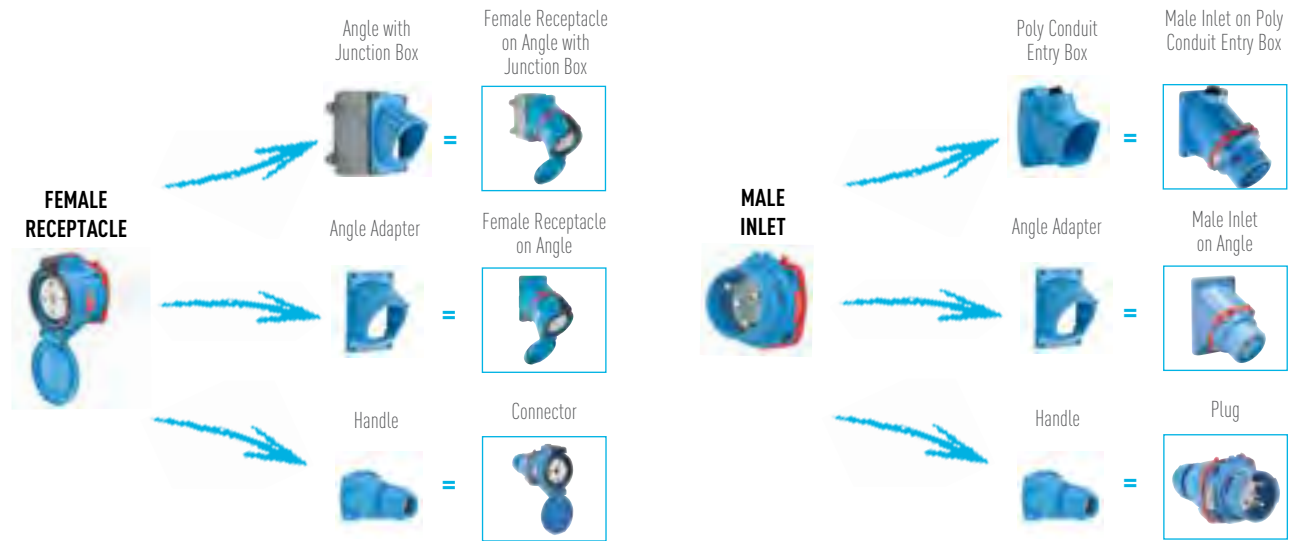
MELTRIC Product Line Type and Casing Material	AMP (A) Rating		Form and Mounting	Voltage Polarization			Phasing
	Position	Voltage		Hz			
PN/PN7c 01 = Blue Poly 09 = Blue Metal	DSN 1 = 20 3 = 30 6 = 60	DXA1 1 = 20	Female 4 = Receptacle	00 = 250	50	AC 2 = 2P+G AC 3 = 3P+G AC 5 = 1P+N+G AC 6 = 2P+N+G AC 7 = 3P+N+G AC A+ = 2P AC B+ = 3P AC C+ = 3P+N AC D+ = 1P+N AC G+ = 2P+N AC	
PN12c 03 = Blue Poly 07 = Blue Metal	8 = 100 9 = 150	DX 2 = 20* 3 = 32* 6 = 63*	Male 8 = Inlet	01 = $\frac{220 - 250}{380 - 440}$ 02 = 20/24 03 = $\frac{110 - 130}{190 - 230}$ 04 = $\frac{255 - 277}{440 - 480}$ 06 = 25/28 07 = $\frac{110 - 125}{220 - 250}$ 08 = 20/24 09 = 480/500 10 = 110/130 11 = $\frac{115 - 127}{200 - 220}$ 12 = $\frac{115 - 127}{200 - 220}$ 13 = 40/48 14 = 347/600 16 = $\frac{120 - 127}{208 - 220}$ 17* = $\frac{110 - 125}{220 - 250}$ 18* = 347/600 19 = $\frac{380 - 400}{660 - 690}$ 20 = 220/250 22 = 577/1000 23* = $\frac{120 - 127}{208 - 220}$ 24* = $\frac{255 - 277}{440 - 480}$	50 60 50 60 50 60 50 50 DC DC 400 200 50 60 60 50 DC 50 60 60	8** = 2P+G DC 9 = 2P+G DC Z+ = 2P DC P = 2P+2P+G DC	
PXN12c 06 = Black Metal	DS 1 = 20 3 = 30	PF 3 = 300* 4 = 400* 6 = 600*	DX, DXN37c, PXN12c, SPeX Only				
PNCX 06 = Black Poly	6 = 60/100C 9 = 100	2 = 200*					
DN 19 = Blue Metal	DR 1 = 30 3 = 50 6 = 100 9 = 150 2 = 250* 4 = 400*	PFQ 3 = 300*	Female 0 = Receptacle on box 3 = Connector 4 = Receptacle				
DXN 22 = Black Poly	DN 1 = 20*(DN9) 6 = 20*(DN20)		Male 1 = Plug 6 = Inlet on Box				
DXA1 28 = Black Metal	PN20 N = 20 (IP66/IP67) S = 20 (IP54/IP55)						
DX 26 = Black Metal	PNCX E = 5						
DS 33 = Blue Poly 35 = Black Poly 36 = Black Metal (HazLoc) 37 = Blue Metal	PNHT 2 = 20						
DXN25/37c 36 = Black Metal	DXN 1 = 20 3 = 30 6 = 60						
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							

* Available in metal only.
 * For DS100C and DR devices.
 * 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

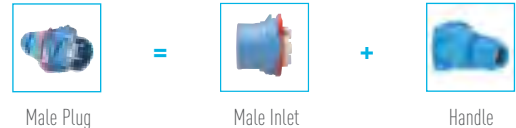
MELTRIC products are ordered and assembled in a modular fashion. Customers should select the desired male inlet and female receptacle part numbers. Then matching accessories such as handles, angles, and junction boxes should be identified and added to the order to create plugs, connectors, or other configurations. 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



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

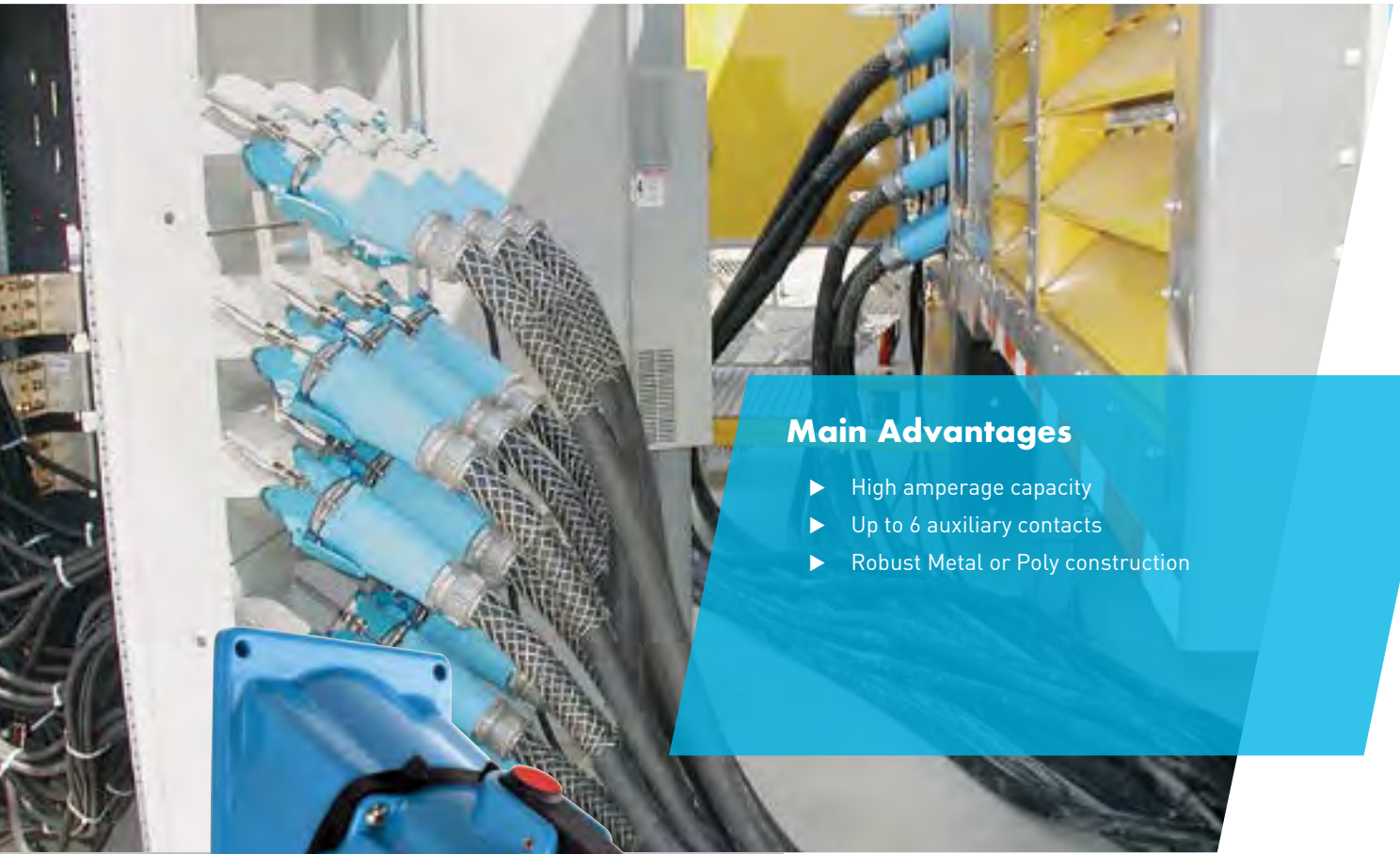


PNHT P. 113

HIGH TEMPERATURE APPLICATIONS

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

DR Standard Duty Plug and Receptacle



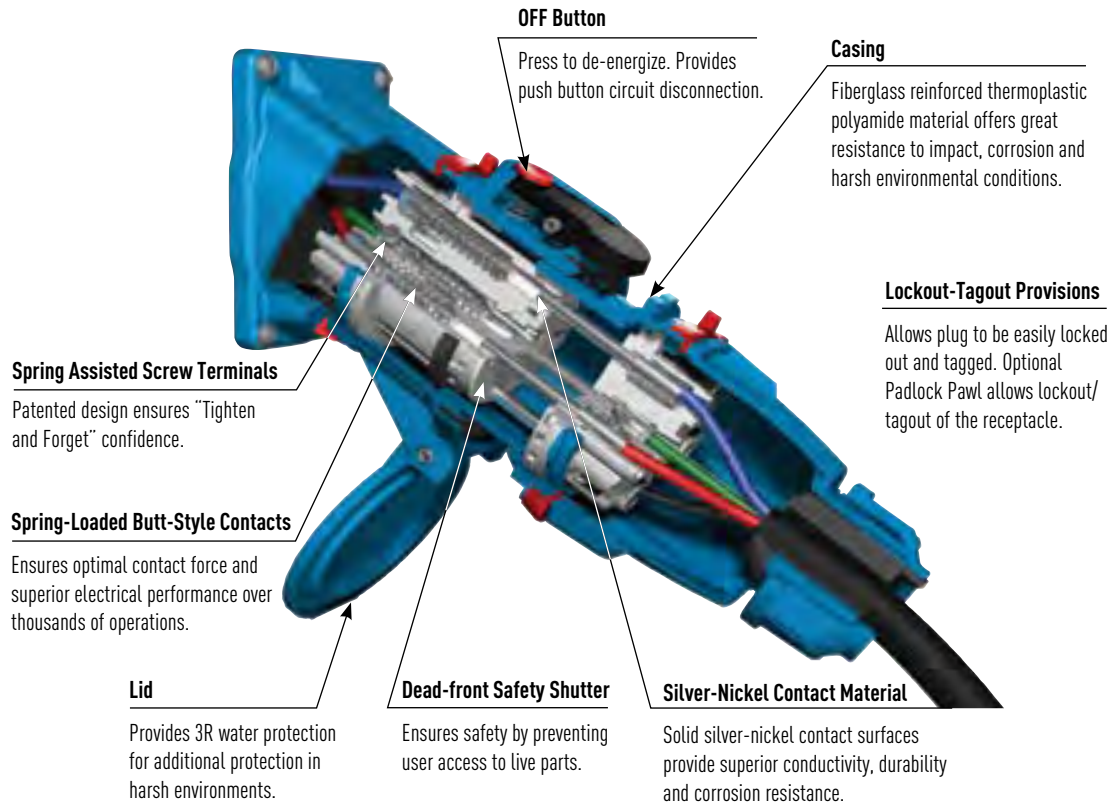
Main Advantages

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



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

PRODUCT FEATURES



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 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	Note: + Not UL/CSA listed.	
Metal Pawl (on poly receptacle)	Recept # -824		
Closed Lid Configuration	Recept # -NC		
With Auxiliary Switch	Recept # -270+		





! 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 1/2"	512P0N05	592P0N05
 Poly 3/4"	512P0N07	592P0N07
 Metal 1"	512P0N10	592P0N10
 Metal 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	Cable Range	Part #
	.438 - .500"	792P0BS3
	.500 - .562"	792P0BS4
	.562 - .625"	792P0CS2
	.625 - .750"	792P0CS4
	.750 - .875"	792P0DS1
	.875 - 1.000"	792P0DS3

POLY HANDLE	Cable Range	Part #
	.20 - .82"	512P0D21


POLY HANDLE w/CLAMP & BUSHING	Cable Range	Part #
	.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	Angle	Part #
	30°	512M3

	70°	512M7	Panel mounting only.
---	-----	-------	----------------------


METAL ANGLE	Angle	Part #
	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.
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BOXES

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

POLY WALL BOX w/ANGLE	Angle	Part #	Notes
	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	Angle	Size	Part #	Notes
	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	Angle	Size	Part #
	0°	1/2"	7T1F0N05
	0°	3/4"	7T1F0N07
	0°	1"	7T1F0N10
	0°	1 1/4"	7T1F0N12

POLY ANGLE WITH METAL BOX w/NPT	Angle	Size	Part #	Notes
	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	Part #	Notes
	61-3A346	Set of Two (2) Recommended for cord to cord assembly applications, for easier connector closure.

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

PADLOCKABLE INLET/PLUG CAP	Part #	Notes
	DS1PC	For Inlets/Plugs Only.

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

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

RECEPTACLE LOCKING PIN	Part #	Notes
	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 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.



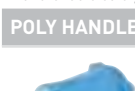

! See pages 243-252 for detailed information on these options

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 1/2"	513P0N05	593P0N05
 Poly 3/4"	513P0N07	593P0N07
 Poly 1"	513P0N10	593P0N10
 Metal 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	Cable Range	Part #
	.625 - .750"	793P0CS4
	.750 - .875"	793P0DS1
	.875 - 1.000"	793P0DS3
	1.000 - 1.125"	793P0ES2

POLY HANDLE	Cable Range	Part #
	.39 - 1.18"	513P0D30

POLY HANDLE w/BUILT IN DRAW GRIPS	Cable Range	Part #
	.39 - 1.18"	513P0D30473





Makes connector closures easier.

POLY HANDLE w/CLAMP & BUSHING	Cable Range	Part #
	.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	Angle	Part #
	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	Angle	Part #
	30°	513B3N07
	30°	513B3N10

* 13.5 in³


For poly devices only.
* Interior volume with receptacle installed.

POLY WALL BOX w/ANGLE	Angle	Part #
	70°	513C7000

* 179.41 in³


Ground Bar	Part #
	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	Angle	Part #
	70°	713C7N05
	70°	713C7N07
	70°	713C7N10
	70°	713C7N12
	70°	713C7N15

* 177.7 in³

* Interior volume with receptacle installed.

METAL BOX w/NPT	Angle	Part #
	0°	7T1F0N05
	0°	7T1F0N07
	0°	7T1F0N10
	0°	7T1F0N12

POLY ANGLE WITH METAL BOX w/NPT	Angle	Part #
	30°	713C3N05
	30°	713C3N07
	30°	713C3N10
	30°	713C3N12


* 29.6 in³

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

* Interior volume with receptacle installed.

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

MISCELLANEOUS ACCESSORIES

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

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

PADLOCKABLE INLET/PLUG CAP	Part #	Description
	DS3PC	Poly - For Inlets/Plugs Only.


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

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

RECEPTACLE LOCKING PIN	Part #	Description
	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 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 #		Part #	
		Poly	Metal	Poly	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	Note: + Not UL/CSA listed.	
Metal Pawl (on poly receptacle)	Recept # -824		
Closed Lid Configuration	Recept # -NC		
With Auxiliary Switch	Recept # -270+		



 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
	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.

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	Cable Range	Part #
	.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	Cable Range	Part #
	.51 - 1.38"	514P0D35

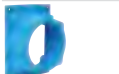




POLY HANDLE w/BUILT IN DRAW GRIPS	Cable Range	Part #
	.51 - 1.38"	514P0D35473

Makes connector closures easier.


POLY HANDLE w/CLAMP & BUSHING	Cable Range	Part #
	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° 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 #
	30°	1/2"	514B3N05
	30°	3/4"	514B3N07
	30°	1"	514B3N10
	30°	1 1/4"	514B3N12


* 27.7 in³

For poly devices only.
* Interior volume with receptacle installed.

POLY WALL BOX w/ANGLE		
	70°	514C7000

* 181.24 in³


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			
	70°	1/2"	714C7N05
	70°	3/4"	714C7N07
	70°	1"	714C7N10
	70°	1 1/4"	714C7N12
	70°	1 1/2"	714C7N15

* 177.7 in³


* 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			
	30°	1"	714C3N10
	30°	1 1/4"	714C3N12
	30°	1 1/2"	714C3N15
	30°	2"	714C3N20


* 61.0 in³ Poly Angle
* 59.4 in³ Metal Angle
For metal angle, replace "71" prefix with "79".
* Interior volume with receptacle installed.
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.

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 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 #		Part #	
		Poly	Metal	Poly	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
	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	Cable Range	Part #
	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		
	.70 - 1.000"	555P0D25
	.984 - 1.377"	555P0D35
IP66/IP67	1.378 - 1.771"	555P0D45

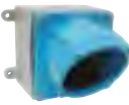
POLY HANDLE w/CLAMP & BUSHING	Cable Range	Part #
	1.250 - 1.375"	715P0S22
	1.438 - 1.562"	715P0S25
	1.562 - 1.688"	715P0S27
	1.688 - 1.812"	715P0S29

ANGLES

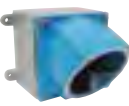
POLY ANGLE		
	30°	515M3
METAL ANGLE		
	0°	595M0
	30°	595M3
	Oversized 30°	795M3
	70°	595M7

Mounts on oversize metal box only. Order with 7T6F-0N25XL. See pg 98.

BOXES

POLY ANGLE WITH METAL BOX w/NPT				Part #
	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				Part #
	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				Part #
	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 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.

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

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.

Closed Lid Configuration

Recept # -NC

With Auxiliary Switch


Recept # -270++

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


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
 1	516P0N10	596P0N10
1 1/4"	516P0N12	596P0N12
<i>Poly</i> 1 1/2"	516P0N15	596P0N15
2"	516P0N20	596P0N20
2 1/2"	516P0N25	596P0N25
<i>Metal</i> 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	Cable Range	Part #
	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	Part #
 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	Cable Range	Part #
	.984 - 1.378"	556P0D35
<i>IP66/IP67</i>	1.378 - 1.772"	556P0D45
	1.772 - 1.929"	556P0D49

ANGLES


METAL ANGLE	Part #	Notes
 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 #
 60° 1 1/2"	796C6N15
60° 2"	796C6N20
* 248.4 in ³ 60° 2 1/2"	796C6N25





* Interior volume with receptacle installed.

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

METAL OVERSIZED BOX w/NPT	Part #
 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

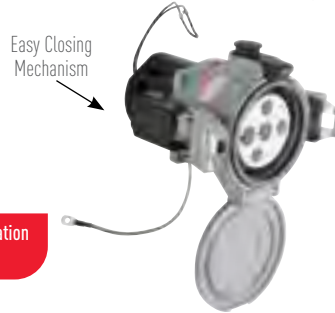
PROTECTIVE INLET/PLUG CAP		39-2A426	Covers lockout hole for watertight seal on inlet. Consult Customer Service for availability. For Inlets/Plugs Only.
PADLOCKABLE INLET/PLUG CAP		DS2MC	Aluminum – For Inlets/Plugs Only. -A155 suffix required to maintain water ingress protection.
CORD GRIP WITH MESH		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: 5T7PON25 + 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	Part #
 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	Part #
 1.57 - 1.97"	5K6P0D50
2.01 - 2.36"	5K6P0D60
2.40 - 2.76"	5K6P0D70
2.79 - 3.15"	5K6P0D80


ANGLES

METAL ANGLE	Part #
 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 Angle Adapter.

MISCELLANEOUS ACCESSORIES

PROTECTIVE INLET/PLUG CAP	Part #	Description
 39-2A426	39-2A426	For Inlet/Plugs Only.

CABLE REDUCING ADAPTERS	Part #	Description
 PT535FX350-3	PT535FX350-3	Reducer for 500 MCM Fine Stranded or Flexible Wire.
 PT500R350-3	PT500R350-3	Reducer for 500 MCM Coarse Stranded or Building Wire.
 PT400R350-3	PT400R350-3	Reducer for 400 MCM Wire.

INLET COMPATIBILITY KIT	Part #
 39-4A396	39-4A396

SPACER	Part #	Description
 5T7M0-68	5T7M0-68	68mm (2.68") spacer is used (included) with metal 60° angle.
 5T7M0-115	5T7M0-115	115mm can be used when mounting to a panel - though the metal straight adapter is preferred.

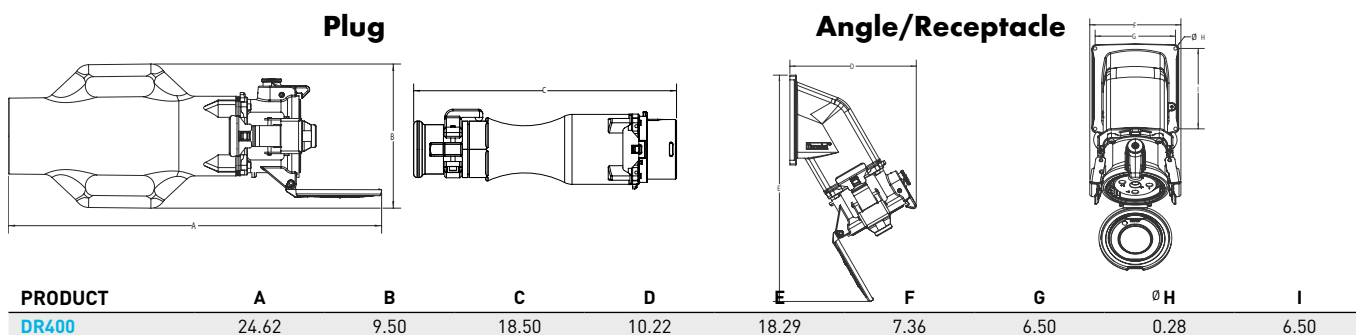
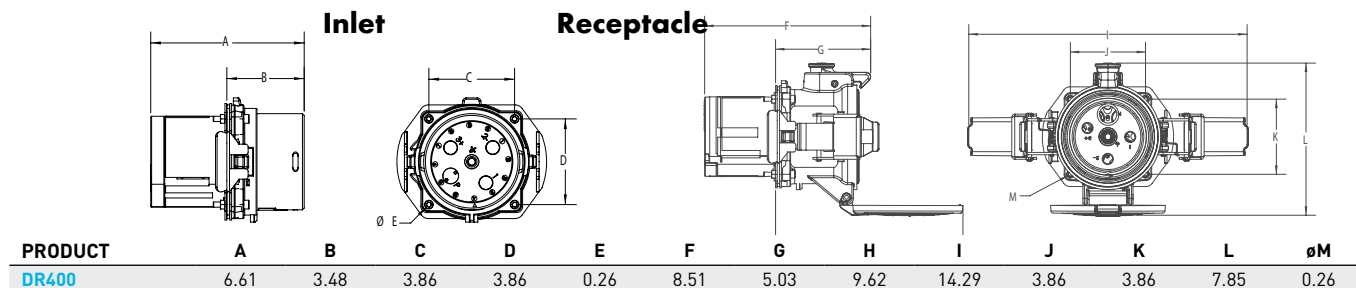
PADLOCKABLE INLET/PLUG CAP	Part #	Description
 DS2MC	DS2MC	Aluminum - For Inlets/Plugs Only. -A155 suffix required to maintain water ingress protection.

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

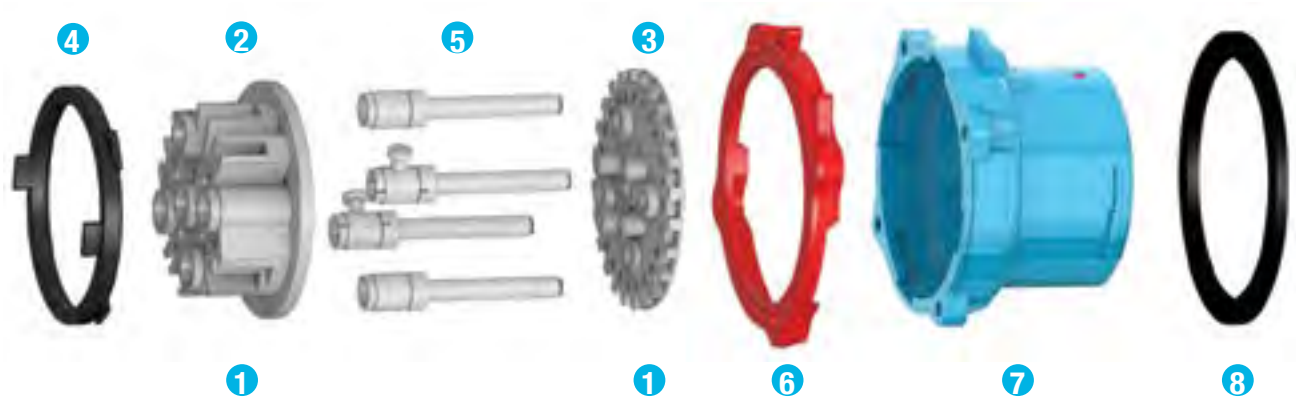
DR / PN

DIMENSIONS – Provided in inches

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



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	-	

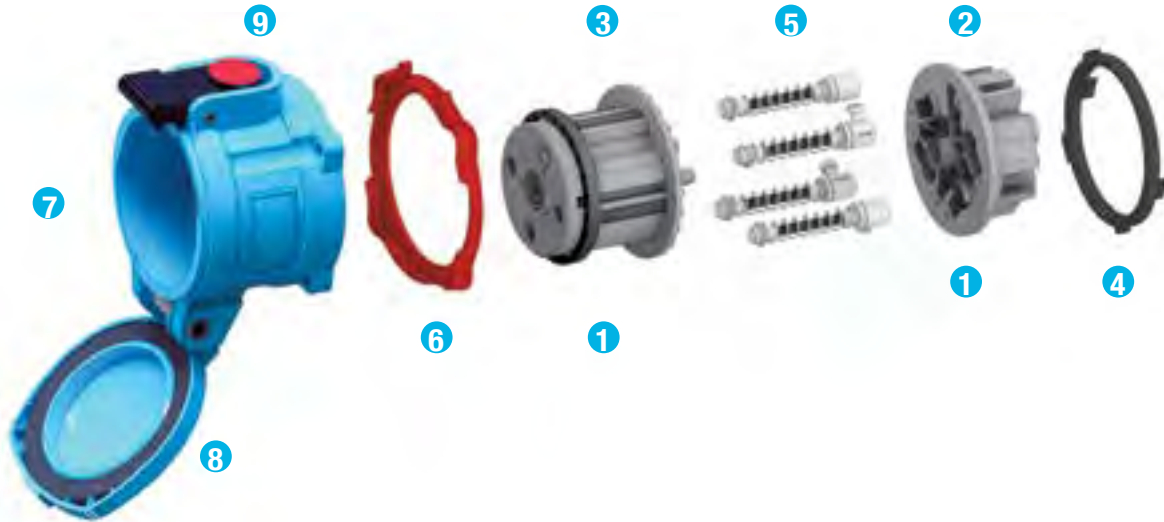
* Voltage and phasing positions must be specified (5th, 6th & 7th digit of Part #) to duplicate your shutter and alignment notches.

** 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.

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.

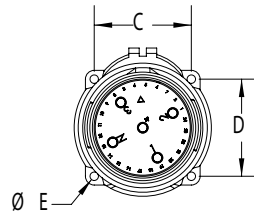
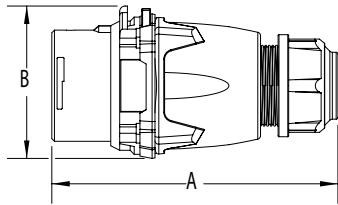
** For DR 400 Drawbar Accessory contact Customer Service.

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

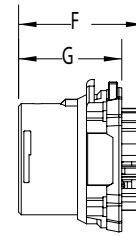
DR DIMENSIONS – Provided in inches

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

Plug

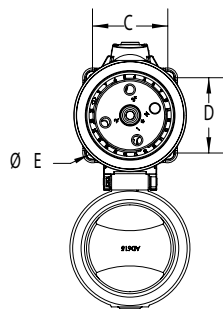
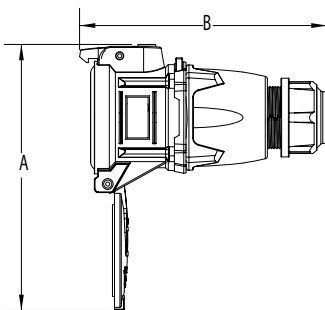


Inlet

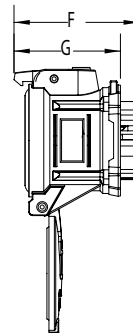


PRODUCT	A	B	C	D	øE	F	G
DR30	5.72	2.79	1.89	1.89	0.20	2.28	1.86
DR50	6.15	3.23	2.17	2.17	0.20	2.93	2.07
DR100/DR7c	6.70	3.77	2.59	2.59	0.24	3.42	2.38
DR150	8.33	4.59	3.20	3.20	0.24	4.14	3.04
DR250	10.30	5.67	3.86	3.86	0.26	4.66	3.20

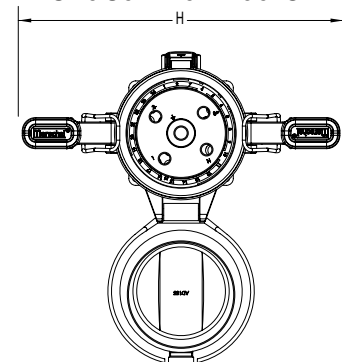
Connector



Receptacle

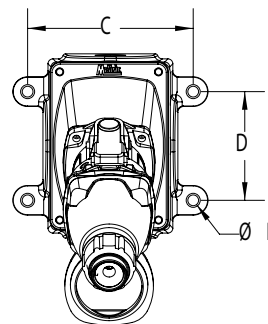
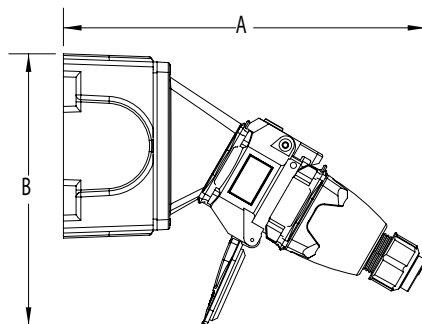


Extended Draw bars



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

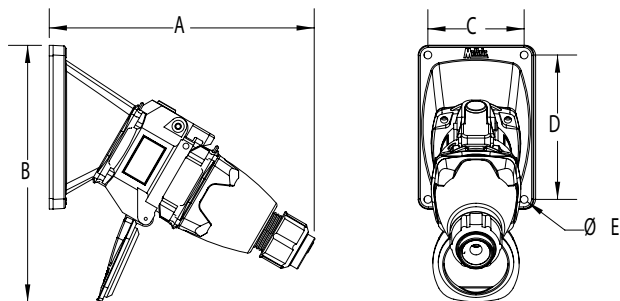
Box/30° Angle/Receptacle/Plug



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

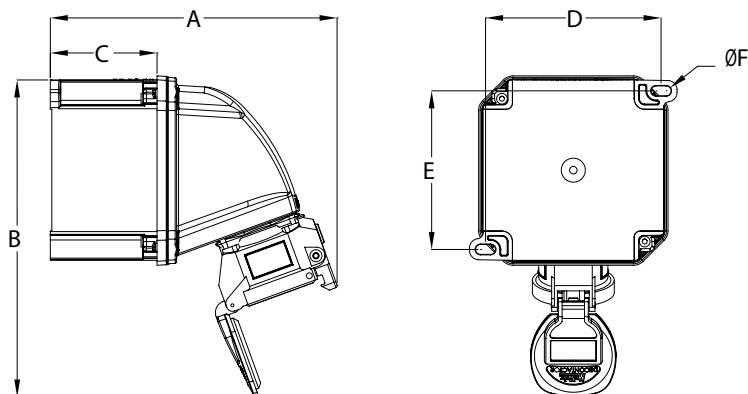


30° Angle/Receptacle/Plug



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

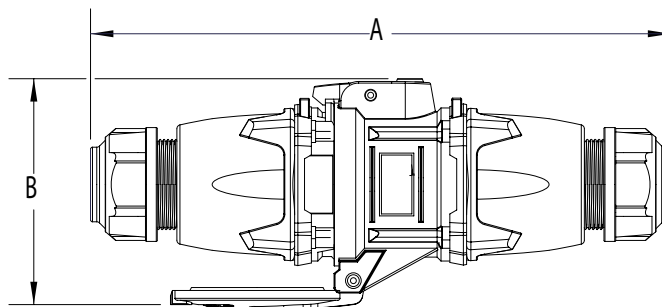
70° Wall Box/Receptacle



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



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.



DNX 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



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



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



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



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



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



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

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

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 ≤ T_a ≤ +60°C
Ex de IIC T4 Gb Ex tb IIIC T100°C Db
Class I Zone 1 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 de IIC T*Gb Ex tb IIIC T*Db
-40°C ≤ T_a ≤ +60°C T4 T107°C
-40°C ≤ T_a ≤ +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		

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

Class I Division 2 Gr A,B,C,D, T6
Class I Zone 2, IIC

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.

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.

DR30 Hazardous Location Plugs & Receptacles – 30 A

Devices rated for hazardous locations are not returnable.

SP US 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

Feature Spotlight – Screw-Type Locking Pawl

- ! Listing Requirement**
Users must tighten screw to lock the plug in the mated position



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.



5/16" hole for added security

! 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
	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

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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			
	30°	1/2"	752C3N05
	30°	3/4"	752C3N07
	30°	1"	752C3N10
	30°	1 1/4"	752C3N12

* 28.7 in³ * Interior volume with receptacle installed.

METAL ANGLE WITH METAL BOX w/NPT			
	30°	1/2"	7K2C3N05
	30°	3/4"	7K2C3N07
	30°	1"	7K2C3N10
	30°	1 1/4"	7K2C3N12


* 28.7 in³ * Interior volume with receptacle installed.



POLY ANGLE WITH LARGER METAL BOX w/NPT			
	70°	1/2"	752C7N05
	70°	3/4"	752C7N07
	70°	1"	752C7N10
	70°	1 1/4"	752C7N12
	70°	1 1/2"	752C7N15

* 75.0 in³ * Interior volume with receptacle installed.




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 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.

SP US 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



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
	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

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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			
	30°	1/2"	753C3N05
	30°	3/4"	753C3N07
	30°	1"	753C3N10
	30°	1 1/4"	753C3N12


* 29.6 in³ * Interior volume with receptacle installed.

METAL ANGLE WITH METAL BOX w/NPT			
	30°	1/2"	7K3C3N05
	30°	3/4"	7K3C3N07
	30°	1"	7K3C3N10
	30°	1 1/4"	7K3C3N12

* 29.6 in³ * Interior volume with receptacle installed.

POLY ANGLE WITH LARGER METAL BOX w/NPT			
	70°	1/2"	753C7N05
	70°	3/4"	753C7N07
	70°	1"	753C7N10
	70°	1 1/4"	753C7N12
	70°	1 1/2"	753C7N15


* 170.0 in³ * Interior volume with receptacle installed.




METAL ANGLE WITH METAL BOX w/NPT			
	70°	1/2"	7K3C7N05
	70°	3/4"	7K3C7N07
	70°	1"	7K3C7N10
	70°	1 1/4"	7K3C7N12
	70°	1 1/2"	7K3C7N15

* 27.7 in³ * Interior volume with receptacle installed.

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 Intets/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.

SP US 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)

Easy Closing Mechanism



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

Standard Hazardous Location DR250 lid is normally closed and opens to 90°

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

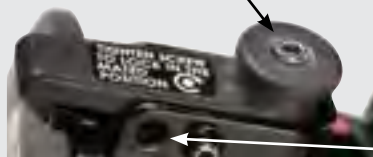
480 V DR250 with no options

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.

5/16" hole for added security

! 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	
IP66/IP67 1.772 - 1.929"	556P0D49	

BOXES

METAL ANGLE WITH METAL BOX w/NPT	Part #
 60° 1 1/2"	7K6C6N15
60° 2"	7K6C6N20
60° 2 1/2"	7K6C6N25

* 248.4 in³

* Interior volume with receptacle installed.



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

i





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 DR dimensions refer to DR dimensions on pgs 103-104

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).



Auxiliary/Pilot Contacts

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	DR1003+4Aux	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	-262	-972	-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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6 contacts	-	-	-	-	-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

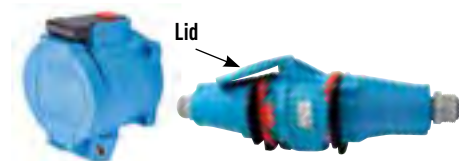
DXN25c, DXN37c

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

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	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

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**



Optional pin sold separately.

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

Example:

To order on a receptacle add suffix **-843** to the receptacle part number.

DSN20 poly receptacle 3P+G = 63-14073-**843**



Optional pin sold separately.

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

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	