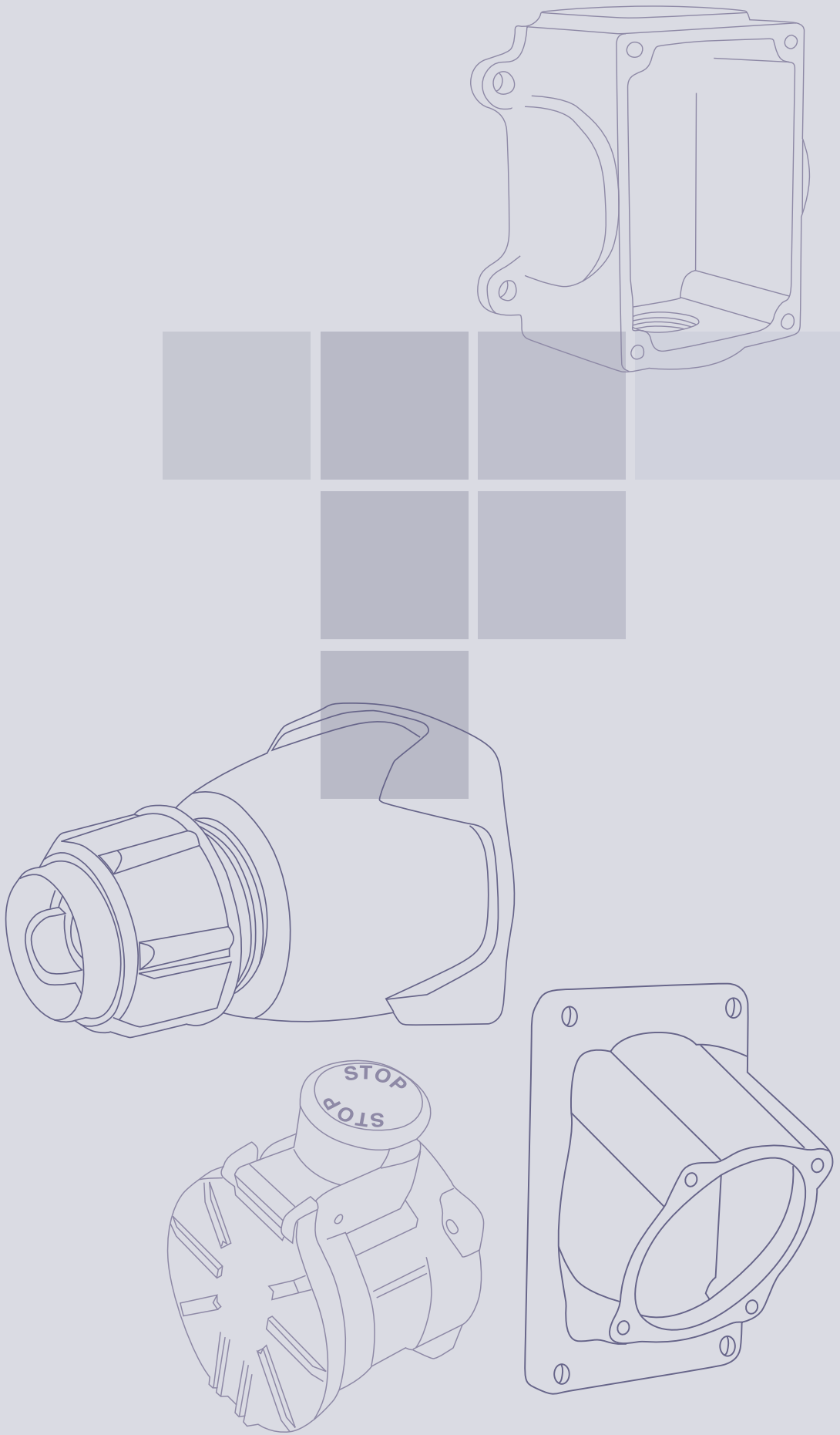


Accessories & Options



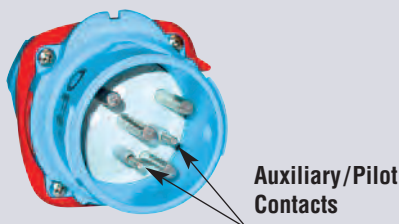


Accessories & Options

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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).



Decontactors with auxiliary/pilot contacts can make the operation of a facility safer and more efficient by facilitating the use of advanced control schemes. Decontactors with auxiliary/pilot contacts allow facilities to:

- ▼ **Quickly reconfigure or change-out processing equipment.**
The need for hard-wiring 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	120 VAC	240 VAC	480 VAC	600 VAC
DSN30, DSN60	6A	3A	1.5A	1.2A
DS20, DS30, DS60, DS100C	6A	3A	1.5A	1.2A
DS100 and DS200	3A	1.5A	0.75A	0.6A
DB30, DB60	6A	3A	1.5A	1.2A
DXN (All sizes)	5A*	5A*	5A*	5A (550V max)
PFQ300	7A	5A	2A*	2A*
PF (All sizes)	10A*	10A*	10A*	10A*
DR30, DR50, DR100	6A	3A	1.5A	1.2A
DR225, DR250	3A	1.5A	0.75A	0.6A
SP	0.6A*	0.3A*	-	-
SPeX	-	6A (220V max)*		
DS7c				5A (400V max)*
DR7c	5A*			

* Rating is not UL or CSA listed

Ordering Information

To order on a device, add the appropriate suffix to both the inlet and receptacle part numbers.

Product	2 Contacts	3 Contacts	4 Contacts	5 Contacts	6 Contacts
DSN30	-972	-	-	-	-
DSN60	-972	-973	-974	-	-
DS20	-972	-	-	-	-
DS30	-972	-973	-974	-	-
DS60/Poly	-972	-263	-	-	-
DS60/Metal	-972	-	-	-	-
DS100C/Poly	-972	-263	-	-	-
DS100C/Metal	-972	-	-	-	-
DS100	-262	-263	-264	-975	-976
DS200	-172	-173	-174	-175	-
DB30	-172	-	-	-	-
DB60	-172	-	-	-	-
DB100	-	-	-174	-	-
DXN30	-972	-	-	-	-
DXN60	-972	-	-	-	-
PFQ300	-	-	Standard (8)	-	-
PF300	-	-	Standard (4)	-	-
PF400	-	-	Standard (4)	-	-
PF600	-	-	Standard (4)	-	-
DR30	-972	-	-	-	-
DR50	-972	-973	-974	-	-
DR100/Poly	-972	-263	-	-	-
DR100/Metal	-972	-	-	-	-
DR150	-262	-263	-264	-975	-976
DR250	-172	-173	-174	-175	-
DS7c/DR7c	-172	-173	-	-	-
SP	Standard (2)	-	-	-	-



Replacement Contacts

Product	Male Pilot	Female Pilot
DSN30	31-1A011-30	31-1A021
DSN60	61-6A011-264	61-6A021-264
DS20	31-1A011-30	31-1A021
DS30	61-6A011-264	61-6A021-264
DR30	31-1A011-30	31-1A021
DR50	61-6A011-264	61-6A021-264

Additional Watertightness

For additional water protection when the inlet and receptacle are mated the following NEMA 4X option may be ordered for DS or DR models.



NEMA 4X Watertightness

NEMA 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

To Order Separately...

Model	NEMA 4X Watertightness
DS20	31-1A056
DS30	31-3A056
DS60	31-6A066
DS100C	31-6A066
DS100	31-9A066
DS200	39-2A056
<hr/>	
DR30	31-1A056
DR50	31-3A056
DR100	31-6A066
DR150	31-9A066
DR250	39-2A056

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
DS20, DS30, DS60, DS100C
DR30, DR50, DR100
DSDC1, DSDC3, DSDC6

120° Opening Lids



Standard for:
DX20, DX30, DX60, DX100
DXN20, DXN30, DXN60

90° Opening Lids



Standard for:
DS100, DS200
DR150, DR250
DSDC9, DSDC2

Detached Lids



Standard for:
DB30, DB60, DB100
PFQ300, PF300, PF400, PF600
SP

Optional Lid Configurations

Closed Lid Configuration

Designed for female devices 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.



Available as option on:
DSN (All sizes)
DS (All sizes)
DR (All sizes)
DN (All sizes, except DN7c)

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*

DXN receptacle 2P+G = 22-14162-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.



Available as option on:
DS100, DS200
DR150, DR250
DXN20, DXN30, DXN60

Example:

*To order this configuration add suffix **-180** to the receptacle part number*

DS100 Metal Receptacle 3P+N+G = 37-94047-180

Plug Caps

Protective Neoprene Plug Caps

Neoprene caps provide an extra level of protection from dust, dirt, and rough handling for male plugs.



Typical for DSN, DS, DR, PN and DXN devices



Typical for DB and DN devices

Ordering Information

Model	Neoprene Plug Cap
DSN20	61-1A126
DSN30	61-3A126
DSN60	61-6A126
DS20	31-1A126
DS30	31-3A126
DS60	31-6A126
DS100C	31-6A126
DS100	31-9A126
DS200	31-2A126
DB30	89-3A126
DB60	89-6A126
DB100	89-9A126
DXN20	22-1A126
DXN30	22-3A126
DXN60	22-6A126
DR30	31-1A126
DR50	31-3A126
DR100	31-6A126
DR150	31-9A126
DR250	31-2A126
DN9c	DN16R
DN20c	DN63R
DN7c (90A)	DN63R
DN7c (150A)	31-2A126
PN20	01-NA126

Padlockable Plug Caps

Padlockable caps can be locked in place to prevent unwanted removal.



Typical for: DSN20, DSN30, DSN60
DS20, DS30, DS60, DS100C
DR30, DR50



Typical for: DS60, DS100C, DS100, DS200
DR100, DR150, DR250

Ordering Information

Model	Padlockable Plug Cap
DSN20	61-1A826*
DSN30	61-3A826*
DSN60	61-6A826*
DS20	DS1PC (poly)
DS30	DS3PC (poly)
DS60	DS6MC (Alum)
DS100C	DS6MC (Alum)
DS100	DS9MC (Alum)
DS200	DS2MC (Alum)
DB30	-
DB60	-
DB100	-
DXN20	-
DXN30	-
DXN60	-
DR30	DS1PC (poly)
DR50	DS3PC (poly)
DR100	DS6MC (Alum)
DR150	DS9MC (Alum)
DR250	DS2MC (Alum)

* Maintains IP66+IP67 and NEMA 4X protection

Note: A 5/16" diameter lock/pin is needed for proper operation. Do not substitute a smaller diameter lock/pin.



The standard lockout hole is on DSN, DS, DR and DXN plugs is not completely sealed off by the neoprene caps or the DS_PC and DS_MC caps. If additional environmental protection is needed while the plug is locked out, 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.

DS20 Poly inlet 2P+G= 33-18162-**A155**

Pawl Options

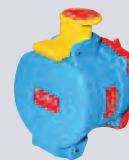
Mushroom Pawl

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 2P+G=63-14162-**375**



Available on:

DSN, DS, DR and DN devices only

Locking Mushroom Pawl

Locking mushroom 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.

Example:

To order on a receptacle add suffix **-375-843** to the receptacle part number.

DS30 poly receptacle 3P+G = 33-38043-**375-843**



Available on:

DSN, DS, DR and DN devices only

Note: A 5/16” diameter lock/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.

Example:

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

DSN20 poly receptacle 2P+G = 63-14162-**843**



Available on:

DSN, DS, DR and DN devices only

Note: A 5/16” diameter lock/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. Available on DS and DR devices only.

Example:

DS60 poly receptacle 3P+G=33-64163-**824**



Available on:

DS and DR devices only

Auxiliary Switches



Female receptacles/connectors with up to 3 poles/4 wires are available with an optional auxiliary switch for operating secondary circuits on the line side of the circuit. The auxiliary switch is rated at 5A and includes one set of NO and one set of NC contacts. With the three phase devices the neutral contact of the plug operates the switch which is located in the neutral contact position in the receptacle. With the single phase units the third phase contact on the plug operates the switch which is located in the third phase contact position in the receptacle.

Auxiliary switches are available on:

DSN Series – DSN30 and DSN60 only

DS Series – All Sizes

DR Series – All Sizes

Examples:

Order a receptacle with an auxiliary switch by adding suffix **-270** to the receptacle part number

DSN30 Poly Receptacle 3P+G = 63-34043-270

*If the receptacle is 3 pole/4 wire, the mating plug must be ordered as a 4 pole/5 plus the suffix **-NNF** should be added.*

DSN30 Poly Inlet 3P+N+G = 63-38047-NNF

*If the receptacle is 2 pole/4 wire (with neutral) the mating plug must be ordered as a 4 pole/5 wire and the suffix **-3NF** must be added.*

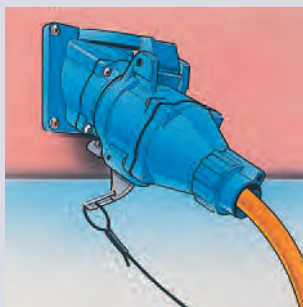
DSN30 Poly Inlet 2P+N+G = 63-38076-3NF

Notes: Devices ordered with auxiliary switch option are not UL/CSA listed.

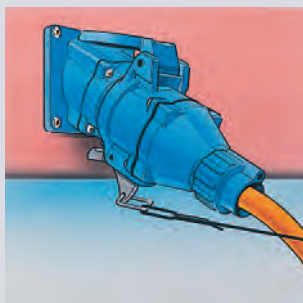
Self-Ejecting Devices

Self-ejecting devices are designed to automatically release the plug or connector when tension is detected, thus protecting the equipment from damage caused when mobile equipment is accidentally moved without disconnecting the power. The self-ejecting system is activated by a tension cord attached between the pawl and power cable.

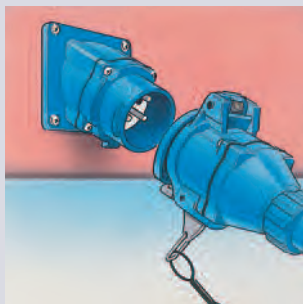
Applications for the self ejecting option include: truck hook-ups, cranes, railroad cars or portable equipment such as refrigerated food carts.



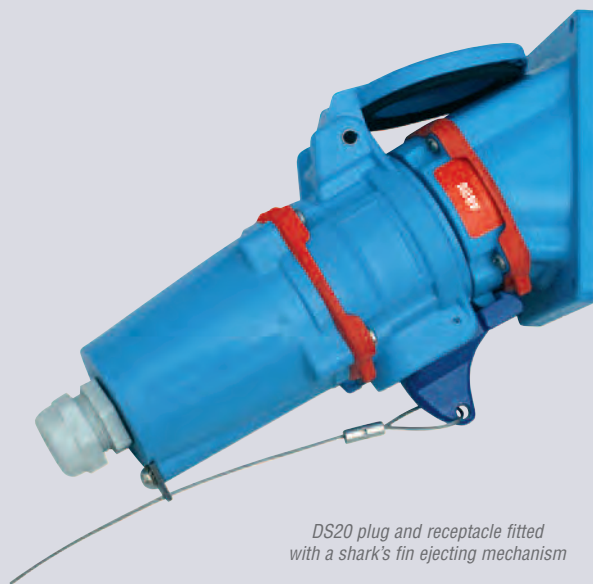
A tension cord is attached to the power cable and the fin pawl of the plug.



Tension on the power cable will automatically lift the fin pawl via the tension cord.



Once the fin pawl is lifted, the plug pulls away from the receptacle.



DS20 plug and receptacle fitted with a shark's fin ejecting mechanism

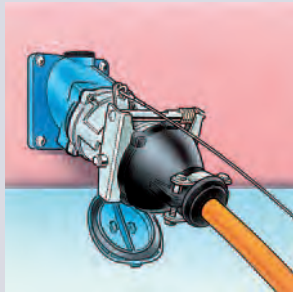


DS200 plug and receptacle fitted with a cam mechanism that ejects the plug when the cable is pulled.

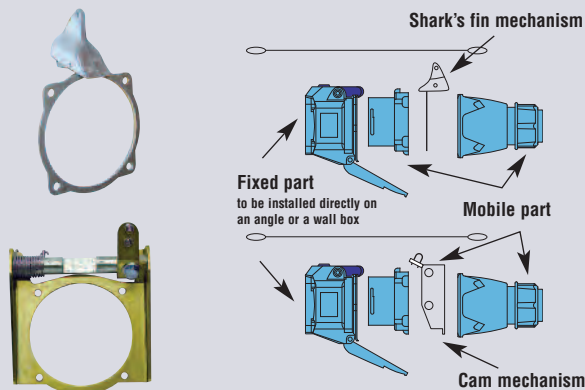
WARNING Weight of cable assemblies can cause damage to units when released and dropped to the ground.

Notes: Self-ejecting devices are modified to allow straight insertion. This defeats the safety shutter and voids the devices switch ratings.

Self-Ejecting Plug



Principle of Operation:
A cam or shark's fin mechanism is used to lift the pawl on the receptacle thus releasing the plug when a tension is applied to the power cable.



Sharks fin mechanism is provided on:

DSN20, DSN30, DSN60

DS20, DS30, DS60, DS7

DN7c, DN9c, DS24c, DS37c, DSN24c, DSN37c

Cam mechanism is provided on:

DS100, DS200

DN9c, DN20c

How to Order:

To the male inlet add suffix **-338-A188**

To the female receptacle add suffix **-A188**

To the handle part number add suffix **-CG**

Example:

To order a 6P DN9c/20cA with a nylon handle and metal angle, the part numbers would be:

Inlet: 19-18060-**338-A188**

Receptacle (straight insertion): 19-14060-**A188**

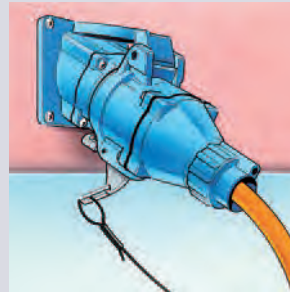
Handle: FH311-**CG**

Angle: MA3

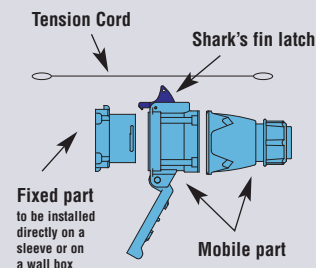
Installation Instructions:

The cable guide plate is to be assembled between the cord grip and the back of the handle, with the tension cord threaded through the cable guide plate. Create a slight amount of slack in the power cable, approximately 2' back from the handle. Fasten the tension cord securely to the power cable, making sure the tension cord has less slack than the power cable.

Self-Ejecting Female Connector



Principle of Operation:
The standard pawl on the connector is replaced by a "shark's fin" pawl which is attached to the power cable by a tension cord. If the connected equipment is moved, the tension cord lifts the sharks fin pawl and the connector is released before damage can occur.



Available on:

DSN (All sizes)

DS and DR (All sizes)

DN (All sizes)

How to Order:

To the male inlet add suffix **-A188**

To the female receptacle (DS, DN), add suffix **-348-A188**

To the female receptacle (DSN), add suffix **-345-A188**

To the handle part number add suffix **-CG**

Example:

To order a 6P DN9c/20cA with a nylon handle and metal angle, the part numbers would be:

Inlet (straight insertion): 19-18060-**A188**

Receptacle: 19-14060-**348-A188**

Handle: FH311-**CG**

Angle: MA3

Installation Instructions:

Create a slight amount of slack in the power cable adjacent to the handle. Fasten the tension cord securely to the power cable, making sure the tension cord has less slack than the power cable.

Notes: For plug-connector cord sets, it is recommended to order both a self-ejecting plug and a self-ejecting female connector. When used on a device with finger drawplates, the drawplates need to be rotated 180°.