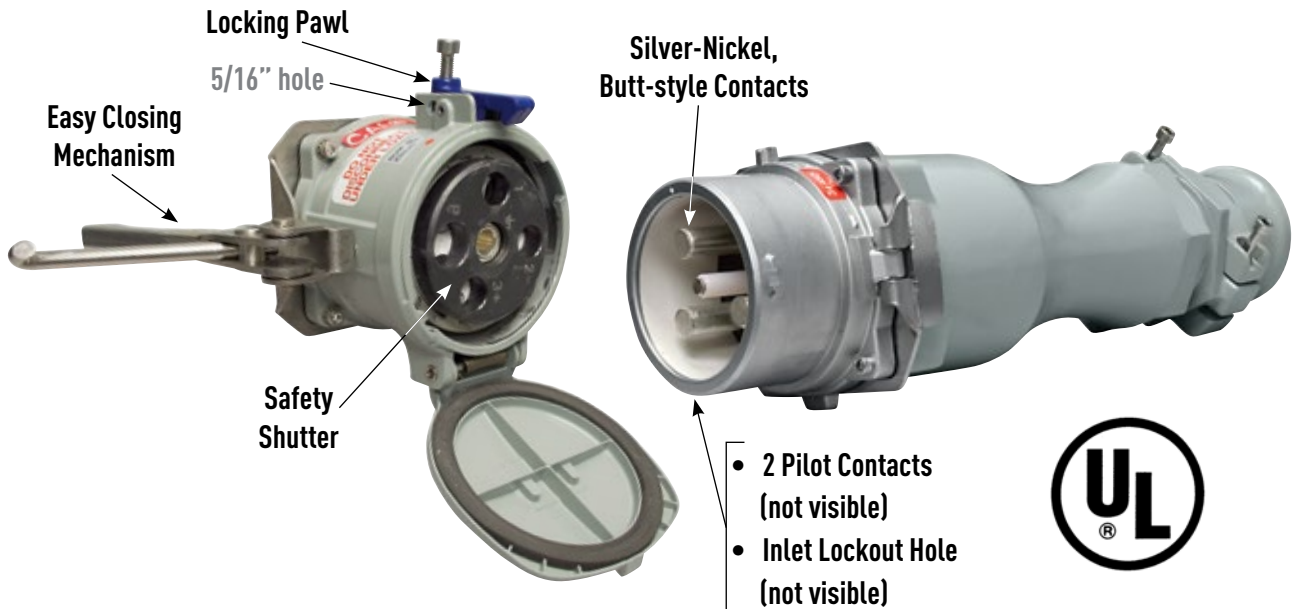


DR400 high amperage plugs and receptacles

new product description

400 Amp Plugs & Receptacles...



with exclusive safety, performance and convenience features.

Safety Features

- Safety shutter – protects from accidental access to live parts.
- Locking pawl (padlockable) – prevents accidental disconnection and makes lockout-tagout easy.
- Inlet lockout hole – enables easy lockout of the plug to prevent connection.

Performance Features

- Solid Silver-Nickel contacts – provides excellent corrosion resistance and superior conductivity.
- Butt-Style contact configuration – ensures optimal contact pressure.

Convenience Features

- Easy closing mechanism – users can mate the plug to the receptacle with relative ease.
- 2 pilot contacts – provide a secondary circuit to monitor parameters or control equipment.

DR400 high amperage plugs and receptacles

catalog info (condensed)

DR – 400A Standard Duty Plugs & Receptacles

Ratings

- Amperage**
400A Max to 480 VAC
350A Max to 600 VAC
- Current Interruption Capability**
Not for current interrupting
- Voltage**
600 VAC
- Environmental Ratings**
IP54 (IP66/IP67 optional)
- Temperature Range**
Min -40°F/Max 140°F
- Wiring Capacity**
Min 2 AWG Max 350 MCM
Aux Contacts – 14 AWG (prewired)
- Listings**
UL (CSA pending)*
* Contact Customer Service

Receptacle (female)



Inlet (male)



Voltage	Polarity	Part # Metal
208V	3P+G+2PIL	39-44163-172
250V	3P+G+2PIL	39-44073-172
480V	3P+G+2PIL	39-44043-172
600V	3P+G+2PIL	39-44143-172*

Voltage	Polarity	Part # Metal
208V	3P+G+2PIL	39-48163-172
250V	3P+G+2PIL	39-48073-172
480V	3P+G+2PIL	39-48043-172
600V	3P+G+2PIL	39-48143-172*

* 350A only for 600V models. Other voltage configurations are available – contact customer service at 800.433.7642.

Receptacle Options	Part #
IP66/IP67	Recept # - 4X
Closed Lid Configuration	Recept # - NC

Inlet Options	Part #
IP66/IP67	Inlet # - 4X
With No Lockout Hole	Inlet # - A155

Key Feature

Standard Locking Pawl



DR400 receptacles are provided with a screw-type locking pawl that prevents accidental disconnections under load.

Installation Accessories

Handles



Cable Range	Straight Handle with Bushing
2.09-2.25 in	39-4A915-57
2.25-2.44 in	39-4A915-62
2.44-2.67 in	39-4A915-68
2.67-2.87 in	39-4A915-73

Angles



Spacer (included)	Metal Straight* Adapter	Metal 60° Angle
none	39-4A127	-
2.68 in	-	39-4A027-68

Notes: * Use metal straight adapter when mounting directly on a panel.

Junction Boxes



NPT Size	Metal Junction Box
2"	MB40DR-20
2.5"	MB40DR-25
3"	MB40DR-30
3.5"	MB40DR-35
4"	MB40DR-40

Miscellaneous Accessories



Inlet Cap	Spacer (68 mm)*	Spacer (115 mm)**
312A126	39-4A127-68	39-4A127-115

Notes: * 68mm (2.68") spacer is used (included) with metal 60° angle.
** 115mm spacer can be used when mounting to a panel - though the metal straight adapter is preferred.

DR400 high amperage plugs and receptacles

faq

Does the DR400 have current interruption capability?

No, the DR400 is NOT suitable for load interruption. Each receptacle includes a sticker stating DO NOT DISCONNECT UNDER LOAD. Although not intended for disconnection under load, the UL certification process required the devices to successfully perform abnormal overload test consisting of three operations @ 150% of the rated current. This means the 400A, 480V rated device survived 3 operations at 600A, and the 350A, 600V rated device survived 3 operations at 525A. This ensures user safety in case the device is accidentally disconnected under load.

Can the pilot contacts be used to break the load when the pawl is pressed?

The DR400 is listed as strictly a non-load break rated device. The power must be turned off first before the device is disconnected. The pilot contacts are not appropriate for use in a control circuit that is meant to break the load current because the time differential between the opening of the pilots to that of phases is not significant enough to turn OFF the power in time and thus the phases may experience the load current flow and could arc.

What types of pawls are available with the DR400?

The DR400 comes standard with a padlockable locking pawl. The 2015 Meltric catalog does show optional pawl types that Meltric has since decided not to offer because the standard pawl offers the best reliability and performance.

What is the spacer accessory for?

The spacers enable increased wire capacity and provide necessary clearance for the Easy Closing Mechanism and the extended interior bottom on the receptacle. The 68 mm spacer is mainly used when the receptacle is placed on the 60° angle. The Metal Straight Adapter should be used when mounting on a panel but the user may also use the 115mm spacer in this situation if desired.

Will DR400 promotional literature be provided?

Yes, Meltric will publish a DR400 flyer. It will likely be available in early March.

catalog issue/correction

DR400 inlet and receptacle part numbers have changed since the 2015 Meltric catalog was published. See below for a cross reference from the now obsolete part numbers to the new, correct part numbers. Meltric's online catalog has been updated to reflect correct part numbers. Paper catalogs shipped after March 1 will also include correct part numbers.

Receptacle Part Number Changes

Voltage	Polarity	Old/Obsolete Part #	New Part #
208V	3P+G+2PIL	39-44233-K16-172	39-44163-172
250V	3P+G+2PIL	39-44033-K07-172	39-44073-172
480V	3P+G+2PIL	39-44243-K04-172	39-44043-172
600V	3P+G+2PIL	39-44023-K14-172	39-44143-172

Inlet Part Number Changes

Voltage	Polarity	Old/Obsolete Part #	New Part #
208V	3P+G+2PIL	39-48233-K16-172	39-48163-172
250V	3P+G+2PIL	39-48033-K07-172	39-48073-172
480V	3P+G+2PIL	39-48243-K04-172	39-48043-172
600V	3P+G+2PIL	39-48023-K14-172	39-48143-172