

# DR400

High Amperage  
plug and receptacle



## Main Advantages

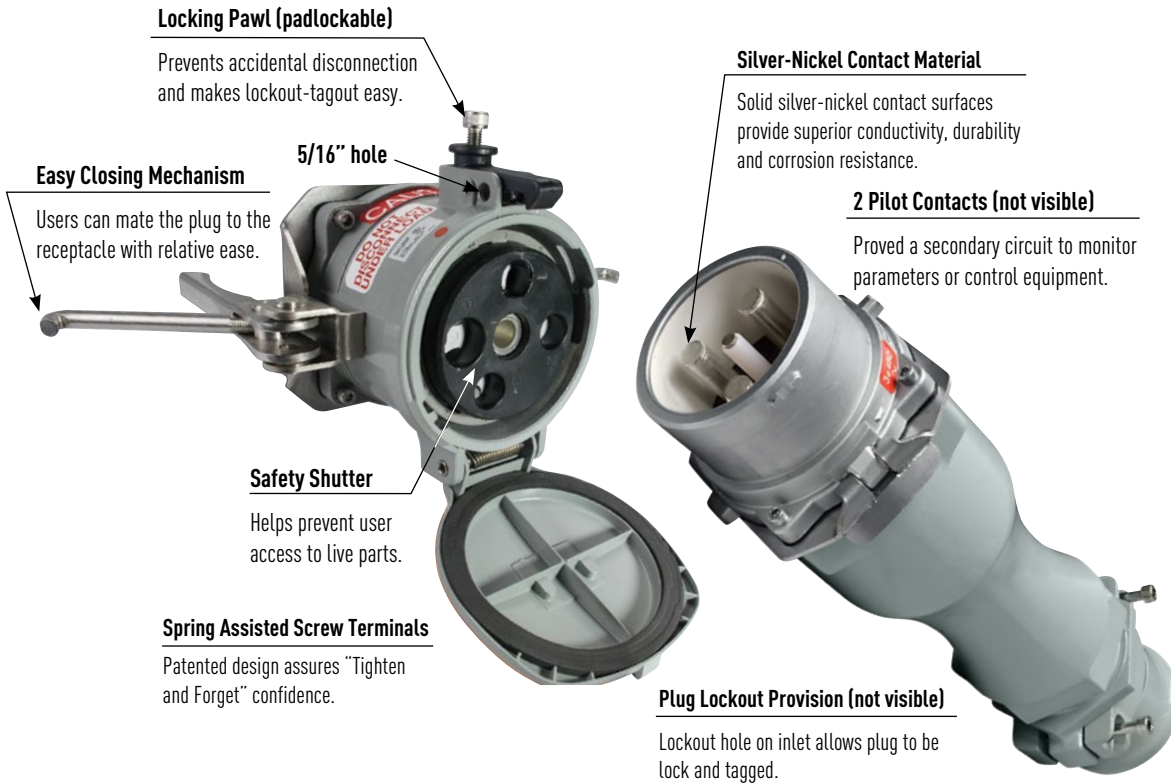
- ▶ Exclusive contact technology maximizes performance and durability
- ▶ Safety features protect workers
- ▶ Easy plug insertion and removal



Watch the DR400 video  
and other product videos  
at [meltric.com/video](http://meltric.com/video)

- ▶ Features and Ratings p. 141
- ▶ DR400 p. 142
- ▶ Dimensions p. 143

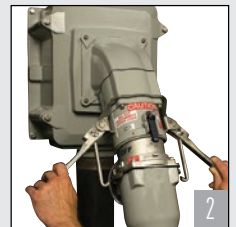
# PRODUCT FEATURES



## Operating Instructions



Partially insert the plug.



Place the closing mechanism around tabs on inlet.



Push the handles up, the plug is fully drawn into the receptacle.



Use the locking tool and turn clockwise to tighten screw.

## General Ratings

<b>Amperage</b>	400A to 480 VAC 350A to 600 VAC
<b>Environmental</b>	IP54 (IP66/IP67 optional)
<b>Temperature</b>	min -40°F/max 140°F

## Listings

Category	UL	CSA
Plugs and Receptacles	UL 1682	C22.2 No. 182.1

## Highlighted Feature

### Silver-Nickel, Spring-Loaded Butt-Style Contacts



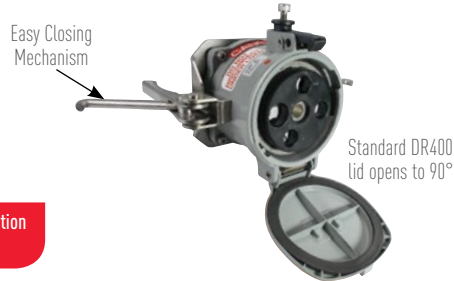
Solid Silver-Nickel, Spring-Loaded Butt Style Contacts maintain optimal contact pressure and superior conductivity even in dirty, corrosive environments.

# DR400 Standard Duty Plugs & Receptacles – 400A

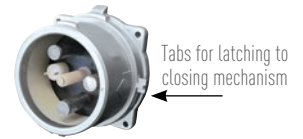
## UL/CSA Ratings

- Max Amperage & Voltage**  
 400A Max to 480 VAC  
 350A Max to 600 VAC
- Current Interruption Capability**  
 Not for current interrupting
- Short Circuit Rating**  
 18kA  
 A withstand test was performed with RK1 current limiting fuses sized at at least 100% of the devices ampacity rating.
- Environmental Ratings**  
 IP54/IP55\*  
 \*IP54 when the plug & receptacle are mated. IP55 on the receptacle alone when the lid is latched closed.
- Temperature Range**  
 Min -40°F / Max 140°F
- Wiring Capacity**  
 Min 2 AWG Max 350 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
208V	3P+G+2PIL	39-44163-172	39-48163-172
250V	3P+G+2PIL	39-44073-172	39-48073-172
480V	3P+G+2PIL	39-44043-172	39-48043-172
600V	3P+G+2PIL	39-44143-172	39-48143-172

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

For international configurations and ratings (IEC, CE) visit [meltric.com/international-catalog](http://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 #
IP66/IP67	Recept # - 4X	IP66/IP67	Inlet # - 4X
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: 480V 3P+G+2PIL



**!** See pages 230-239 for detailed information on these options

# INSTALLATION ACCESSORIES – SIZE 7

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

**HANDLES**

LARGE HANDLE w/NPT	Part #
2"	5T7P0N20
2 1/2"	5T7P0N25
3"	5T7P0N30

LARGE HANDLE w/CORD GRIP 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

STRAIGHT HANDLE W/BUSHING w/Cable Range	Part #
2.09 - 2.25"	5T7P0D57
2.25 - 2.44"	5T7P0D62
2.44 - 2.67"	5T7P0D68
2.67 - 2.87"	5T7P0D73

**ANGLES**

METAL ANGLE	Part #	Description
0°	5T7M0	
Extended 60°	5T7M6	
Extended 60° with 68 mm spacer.	5T7M6-68	Provides space for Cable Reducing Adapters.

**BOXES**

BOX ANGLE WITH METAL BOX w/NPT	Part #
0° 2"	7T7F0N20
0° 2 1/2"	7T7F0N25
0° 3"	7T7F0N30
0° 3 1/2"	7T7F0N35
0° 4"	7T7F0N40

**MISCELLANEOUS ACCESSORIES**

PROTECTIVE CAP	Part #	Description
	35-2A126	For Male Devices Only
CABLE REDUCING ADAPTERS		
	PT535FX350-3	Reducer for 500 MCM Fine Stranded or Flexible Wire
	PT500R350-3	Reducer for 500 MCM Coarse Stranded or Building Wire
	PT400R350-3	Reducer for 400 MCM Wire
SPACER		
	5T7M0-68	68mm (2.68») spacer is used (included) with metal 60° angle
	5T7M0-115	115mm can be used when mounting to a panel - though the metal straight adapter is preferred.
RECEPTACLE LOCKING PIN		
	LP-843	Requires Padlockable Pawl option (-843) on receptacle

## DIMENSIONS – Provided in inches

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

