DR400
High Amperage

Main Advantages

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

- Features and Ratings p. 132
- DR400 p. 133
- Dimensions p. 134

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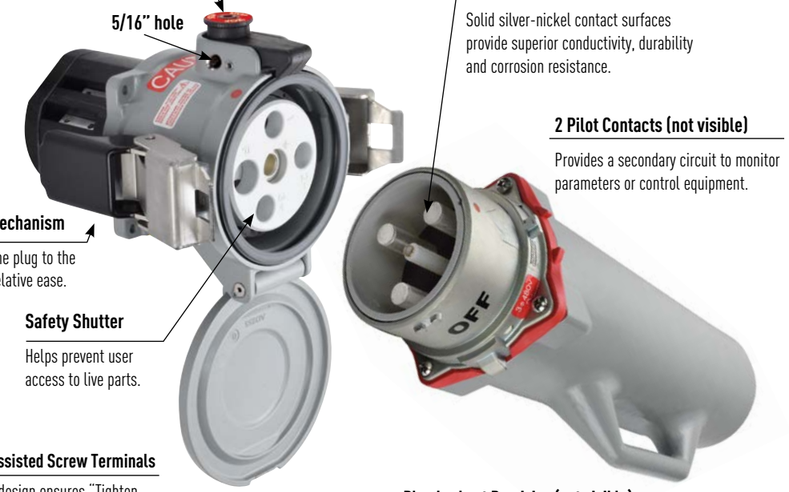
PRODUCT FEATURES



Locking Pawl (padlockable)
Prevents accidental disconnection and makes Lockout/Tagout easy.

5/16" hole

Silver-Nickel Contact Material
Solid silver-nickel contact surfaces provide superior conductivity, durability and corrosion resistance.

2 Pilot Contacts (not visible)
Provides a secondary circuit to monitor parameters or control equipment.

Easy Closing Mechanism
Users can mate the plug to the receptacle with relative ease.

Safety Shutter
Helps prevent user access to live parts.

Spring Assisted Screw Terminals
Patented design ensures "Tighten and Forget" confidence.

Plug Lockout Provision (not visible)
Lockout hole on inlet allows plug to be locked out and tagged out.

General Ratings

Amperage	400 A at 600 VAC
Environmental	Type 4X, IP69/IP69K
Temperature	Min -40°F/Max 140°F

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.

Listings

Category	UL	CSA	NOM
Plugs and Receptacles	UL 1682	C22.2 No. 182.1	NOM-003-SCFI-2014

Operating Instructions

Partially insert the plug.

Place the closing mechanism around tabs on inlet.

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

Use the locking tool and turn clockwise to tighten screw.

DR400 Standard Duty - 400 A

UL/CSA Ratings

- **Max Amperage & Voltage**
  400 A, 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/IP66/IP67/IP69/IP69K
- **Temperature Range**
  Min -40°F/Max 140°F
  See pg 254 for temperatures outside of this range.
- **Wiring Capacity**
  Min 2 AWG Max 350 MCM*
  Aux Contacts – Prewired 14 AWG

* Wire size to 500 MCM can be accommodated through use of Cable Reducing Adapters. See Accessory Spotlight.

- **Certifications**
  UL 1682, CSA C22.2 NO. 182.1, NOM

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

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 #
Self-Returning Lid (Manual Close)	Recept # -NC	Without 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 + **Cable Reducers:** PT500R350-3 (3 are required)

Inlet: 39-48043-**172** + **Handle:** 5T7P0N25 + **Cable Reducers:** PT500R350-3 (3 are required)

! See pages 231-240 for detailed information on these options

INSTALLATION ACCESSORIES – SIZE 7

Handle Option Guide pgs 237-238

When properly installed, all accessories meet or exceed the environmental ratings of the devices they are mounted to; unless otherwise noted.

HANDLES

LARGE HANDLE WITH NPT	PART #
2"	5T7P0N20
2 1/2"	5T7P0N25
3"	5T7P0N30

LARGE METAL HANDLE WITH CORD GRIP, MESH AND 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	CABLE RANGE	PART #	NPT	PART #
Bolt-on Clamp	1.57-1.97"	5K6P0D50	1 1/2"	5K6P0N15L
	2.01-2.36"	5K6P0D60	2"	5K6P0N20L
NPT	2.40-2.76"	5K6P0D70	2 1/2"	5K6P0N25L
	2.79-3.15"	5K6P0D80	3"	5K6P0N30L

ANGLES

METAL ANGLE	
0°	5T7M0
60° Extended	5T7M6

BOXES

METAL BOX WITH 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		
	39-2A426	For Inlet/Plugs Only.

CABLE REDUCING ADAPTERS (ORDER 1 FOR EACH TERMINAL)		
	PT535FX350-3	Reducer for 500 MCM Fine Stranded or Flexible Wire.
	PT500R350-3	Reducer for 500 MCM Coarse Stranded or Building Wire.
	PT400R350-3	Reducer for 400 MCM Wire.

INLET COMPATIBILITY KIT		
	39-4A396	

SPACER		
	5K7M0-68	68 mm (2.68") spacer is used (included) with metal 60° angle.

PADLOCKABLE INLET/PLUG CAP		
	DS2MC	Aluminum – For Inlets/Plugs Only. -A155 suffix required on inlet part # to retain water ingress protection.

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

HIGH AMPACITY

DIMENSIONS – Provided in Inches

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

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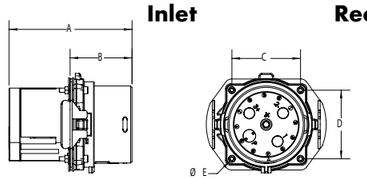
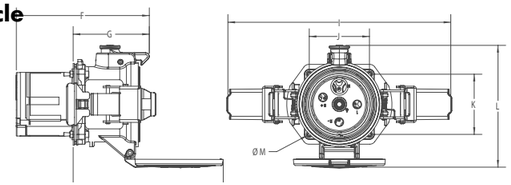
Inlet

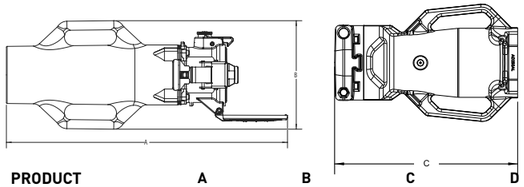


Receptacle

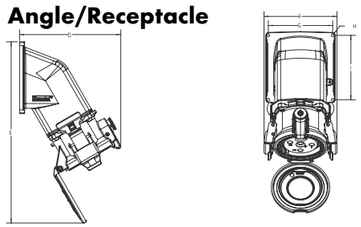


PRODUCT	A	B	C	D	øE	F	G	H	I	J	K	L	øM
DR400	6.61	3.48	3.86	3.86	0.26	8.51	5.03	9.62	14.29	3.86	3.86	7.85	0.26

Plug



Angle/Receptacle



PRODUCT	A	B	C	D	E	F	G	H	I
DR400	24.62	9.50	13.3	10.22	18.29	7.36	6.5	0.28	6.5

Visit meltric.com to view and download detailed DR drawing files.