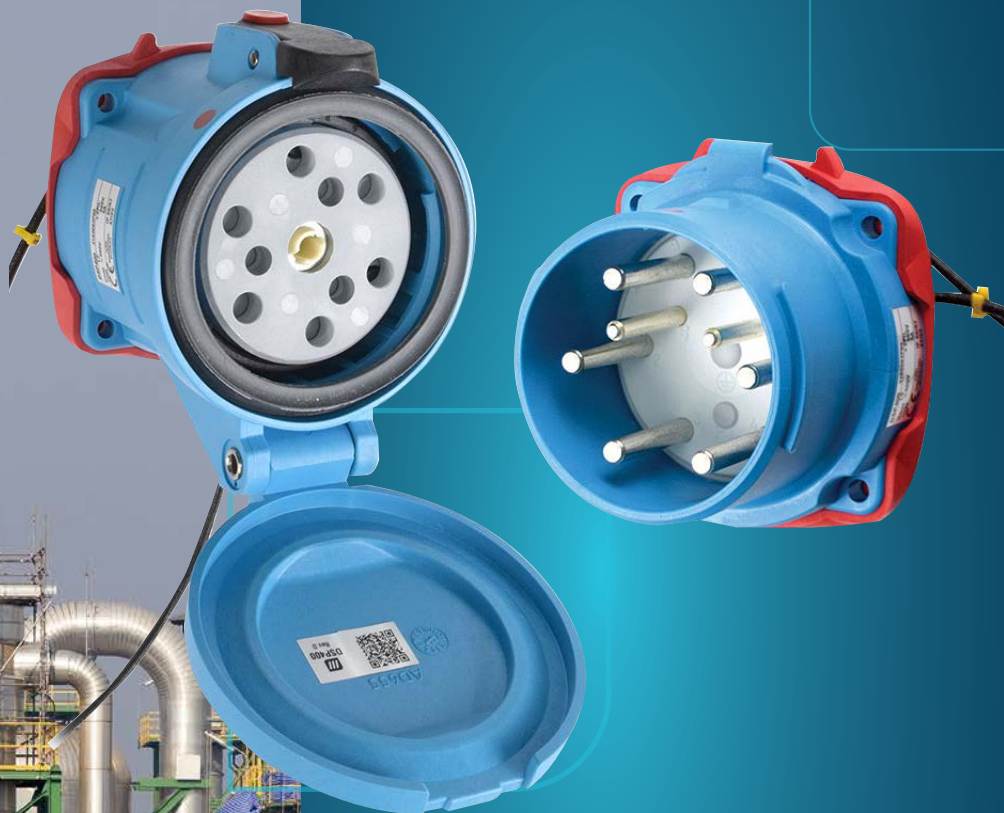


DSP400

Single Pole
High Amperage



Main Advantages

- Poly Casing
- Up to 480 VAC
- Rated IP66/IP69/IP69K
- Two additional pilot contacts

- Features and Ratings p. 144
- DSP400 p. 145
- Dimensions p. 147

SCAN
ME >>



PRODUCT FEATURES

Standard Lockout-Tagout Provisions

Allows plug to be easily locked out and tagged. Included padlock pawl allows lockout/tagout of the receptacle.

Casing

Fiberglass reinforced thermoplastic polyester material offers great resistance to impact, corrosion and harsh environmental conditions.

Lid

Provides additional protection from harsh environments.

Silver-Nickel, Butt-Style Contacts

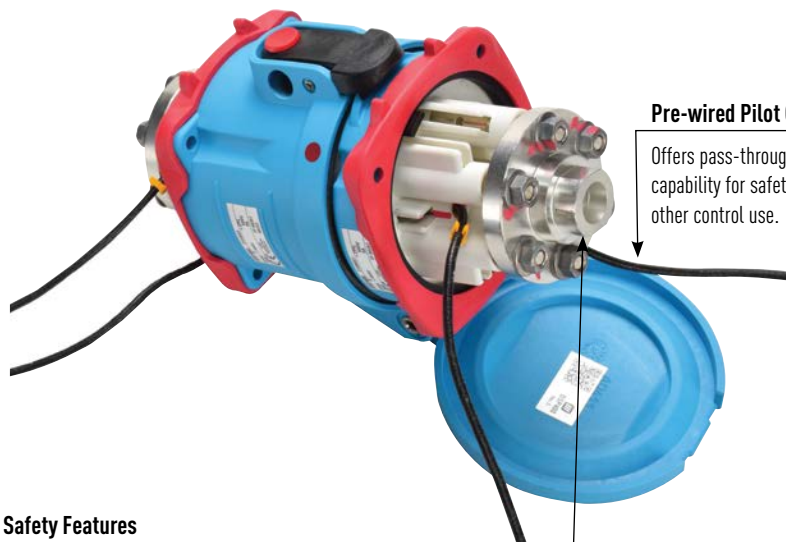
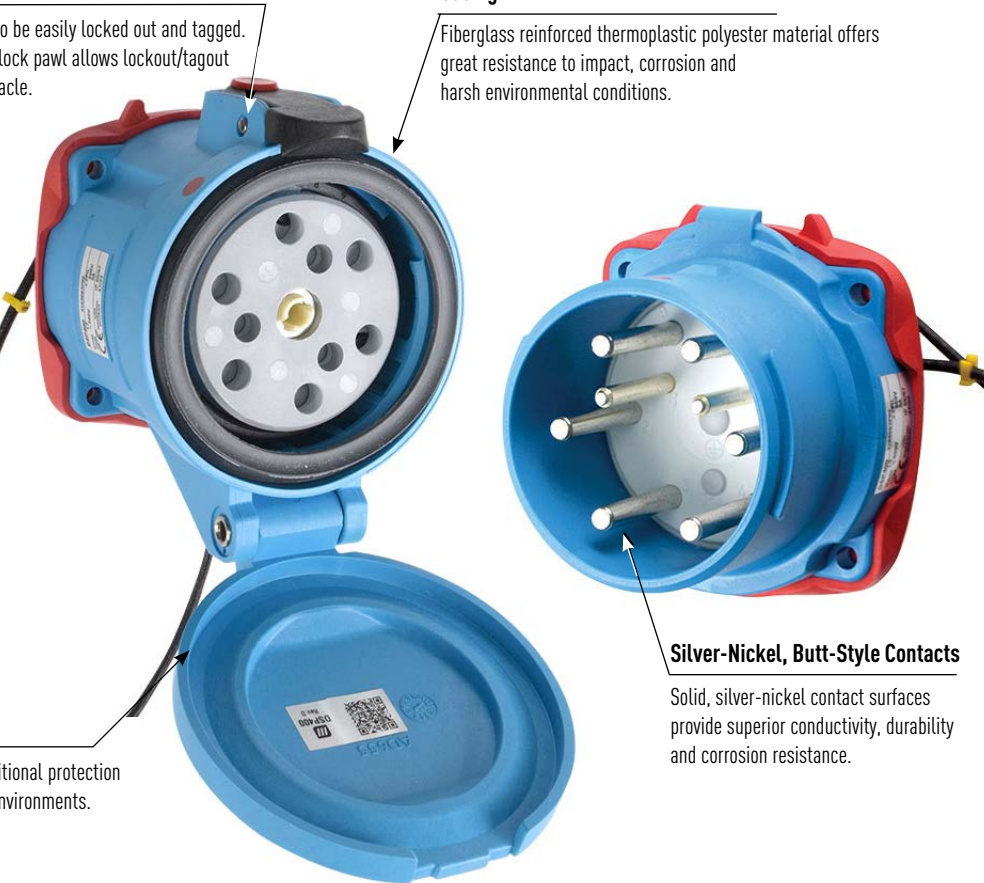
Solid, silver-nickel contact surfaces provide superior conductivity, durability and corrosion resistance.

Pre-wired Pilot Contacts

Offers pass-through, 10 A wiring capability for safety circuit or other control use.

Shorting Plate

Ties all phase contacts together to convert multiple contact device into single pole.



Safety Features

Designed with mechanical (rotational position) and visual (gasket color) differentiation of phases to prevent intermating.

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 de-energized.



Rotating the de-energized plug 30° counterclockwise closes the safety shutter and frees the plug to be withdrawn from the receptacle.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, align red dots, insert plug into receptacle, rotate 30° clockwise, and apply insertion force.

DSP400 Single Pole - 400 A

Ratings

- **Max Amperage & Voltage**
400 A, 480 VAC
- **Current Interruption Capability**
Not for Current Interrupting
- **Environmental Ratings**
IP66/IP69/IP69K
- **Temperature Range**
Min -40°F/Max 140°F
- **Wiring Capacity**
Min 1/0 Max 600 MCM
Aux Contacts - Prewired 4 mm²
- **Certifications**
CE

Receptacle (female) without lug



Inlet (male) without lug



VOLTAGE	POLARITY	PART # POLY	PART # POLY
	L1	3164001-P80	3168001-P80
	L2	3164002-P80	3168002-P80
	L3	3164003-P80	3168003-P80
	NEUTRAL	316400N-P80	316800N-P80
	GROUND	316400T	316800T
	POSITIVE	316400P	316800P
	NEGATIVE	316400M	316800M

RECEPTACLE OPTIONS	SUFFIX #
Closed Lid Configuration	Recept # -NC
With No Lockout Hole	Recept # -A155

Straight Barrel Lugs

Use with angle 30°
or direct mount



Bolt included



Use with handle for
cord mounting

CRIMPING LUGS	INTERNAL DIAMETER		STRAIGHT W/TERMINAL	STRAIGHT THREADED	FLEXIBLE WIRING	COARSE WIRING
	in	mm	PART #	PART #	AWG	AWG
	.43	11	45-4A50C	45-4A50D	1/0 ¹	2/0
	.51	13.1	45-4A70C	45-4A70D	2/0, 3/0	3/0, 4/0
	.57	14.5	45-4A95C	45-4A95D	4/0	250
	.64	16.2	45-4A12C	45-4A12D	262	300
	.71	18	45-4A15C	45-4A15D	300, 313	350
	.81	20.6	45-4A18C	45-4A18D	350 ⁺ , 373	400, 500
	.91	23.1	45-4A24C	45-4A24D	444 ⁺ , 500, 535	600

Notes: * Class H & I

¹ The ground conductor shall be limited to a maximum size of 1/0 AWG.

UL listing performed with Greenlee EK6IDL11 dieless tool and Dewalt DCE300M2 with Greenlee KC12 dies. + Only for use with Greenlee EK6IDL11 dieless tool.

INSTALLATION ACCESSORIES – SIZE 4

HANDLES

HANDLE WITH NPT	PART # POLY
1/2" NPT	514P0N05
3/4" NPT	514P0N07
1" NPT	514P0N10
1 1/4" NPT	514P0N12
1 1/2" NPT	514P0N15





For available cord grips, see pg 159.

POLY HANDLE WITH CORD GRIP	CABLE RANGE	PART #
	.680-.980"	714P0DP4
	.980-1.260"	714P0EP4
	1.260-1.560"	714P0FP1






Spacer 51M0-25 to be used with handle accessory when wiring device with 300 MCM or larger wire.

ANGLES








POLY ANGLE			
	30°	514M3	Compatible with all straight threaded lugs.
	70°	514M7	Compatible with all straight terminal lugs.

BOXES

POLY WALL BOX WITH ANGLE			
	70°	514C7000	70° poly boxes are not drilled.
* 181.24 in ³			* Interior volume with receptacle installed.
	Ground Bar	51-AA089	

POLY ANGLE WITH METAL BOX WITH NPT				
	70°	1/2" NPT	714C7N05	* Interior volume with receptacle installed.
	70°	3/4" NPT	714C7N07	
	70°	1" NPT	714C7N10	
	70°	1 1/4" NPT	714C7N12	
	70°	1 1/2" NPT	714C7N15	
* 177.7 in ³				

MISCELLANEOUS ACCESSORIES

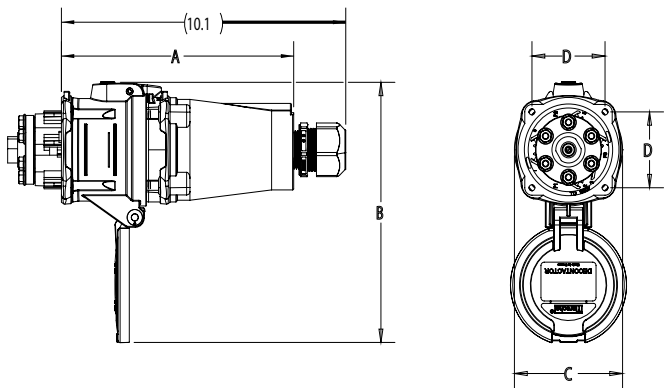
FINGER DRAWPLATES			
	31-6A346	Set of Two (2) Recommended for all assembly applications, for easier connector closure.	
SPACER			
	514M0-25	1 inch thick spacer to be used with handles using 300 MCM wire and larger.	
PROTECTIVE INLET/PLUG CAP			
	31-6A426	For Inlets/Plugs Only.	
PADLOCKABLE INLET/PLUG CAP			
	DS6MC	Aluminum – For Inlets/Plugs Only. -A155 suffix required on inlet part # to retain water ingress protection.	
SPRING-LOADED PADLOCKABLE INLET/PLUG CAP			
	31-6A226	For Poly Inlets/Plugs Only.	In order to achieve max water ingress protection of Type 3R/IP55, spring loaded caps should be ordered with inlets equipped with -A155 suffix.
EASY RETROFIT ADAPTER PLATES			
	see pg 232	Mount to existing boxes.	
RECEPTACLE LOCKING PIN			
	LP-843		

DSP400 DIMENSIONS – Provided in Inches

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

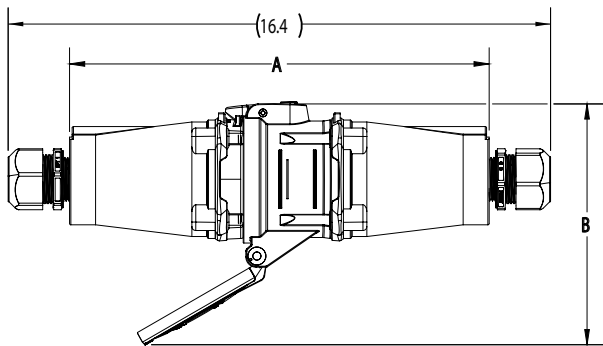


Plug on Receptacle



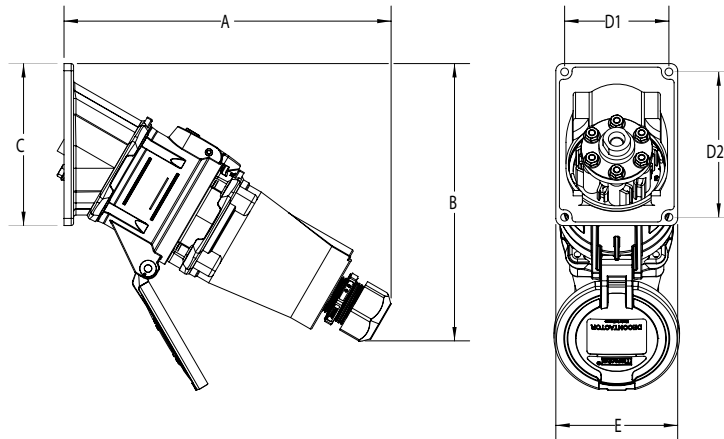
PRODUCT	A	B	C	E
DSP400	8.29	8.94	3.86	2.59

Plug/Connector



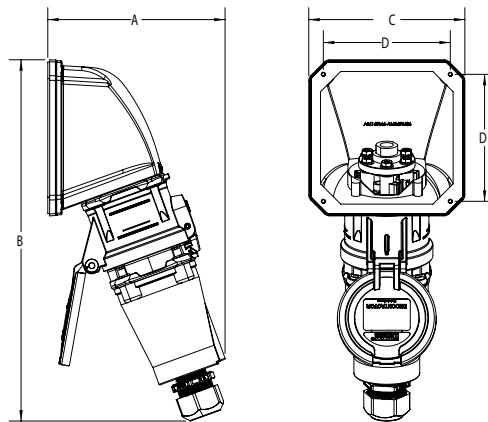
PRODUCT	A	B
DSP400	12.70	7.28

30° Angle/Receptacle/Plug



PRODUCT	A	B	C	D1	D2	E
DSP400	10.78	9.17	5.35	3.44	4.80	4.02

70° Angle/Receptacle/Plug



PRODUCT	A	B	C	D
DSP400	7.42	15.12	6.54	5.31