

# DSP400

Single Pole  
High Amperage



## Main Advantages

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

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# 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Rotating the de-energized plug 30° counterclockwise closes the safety shutter and frees the plug to be withdrawn from the receptacle.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 mm<sup>2</sup>
- **Certifications**  
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## Receptacle (female) without lug



## Inlet (male) without lug



VOLTAGE	POLARITY	PART #			PART #	
		STANDARD LOCKOUT HOLE	POLY STANDARD LOCKOUT HOLE RETURNING LID	NO LOCKOUT HOLE	STANDARD LOCKOUT HOLE	NO LOCKOUT HOLE
	L1	31-64001-843-P80	31-64001-858-P80	31-64001-P80	31-68001-843-P80	31-68001-P80
	L2	31-64002-843-P80	31-64002-858-P80	31-64002-P80	31-68002-843-P80	31-68002-P80
	L3	31-64003-843-P80	31-64003-858-P80	31-64003-P80	31-68003-843-P80	31-68003-P80
	NEUTRAL	31-6400N-843-P80	31-6400N-858-P80	31-6400N-P80	31-6800N-843-P80	31-6800N-P80
	GROUND	31-6400T-843-P80	31-6400T-858-P80	31-6400T-P80	31-6800T-843-P80	31-6800T-P80
	POSITIVE	31-6400P-843-P80	31-6400P-858-P80	31-6400P-P80	31-6800P-843-P80	31-6800P-P80
	NEGATIVE	31-6400M-843-P80	31-6400M-858-P80	31-6400M-P80	31-6800M-843-P80	31-6800M-P80

## 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 <sup>1</sup>	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

<sup>1</sup> 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.

\* Spacer 514M0-25 will be required for use with a handle.


# 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.
			* Interior volume with receptacle installed.
	Ground Bar	51-AA089	

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

\* 181.24 in<sup>3</sup>

\* 177.7 in<sup>3</sup>

## 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.	
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		

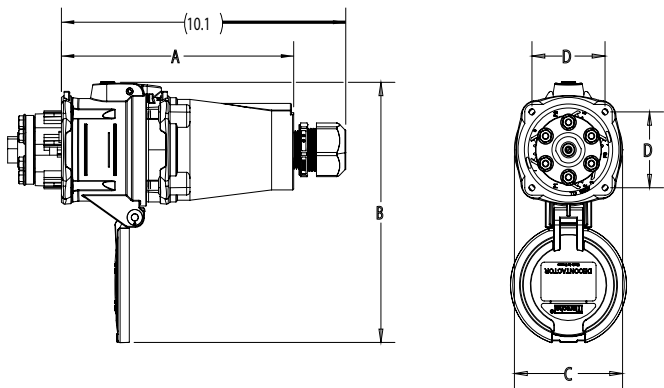
# DSP400 DIMENSIONS – Provided in Inches

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

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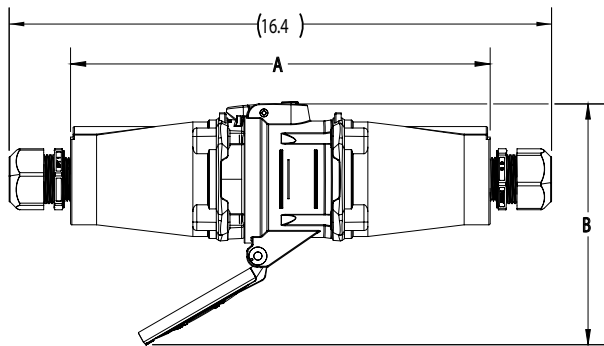


## Plug on Receptacle



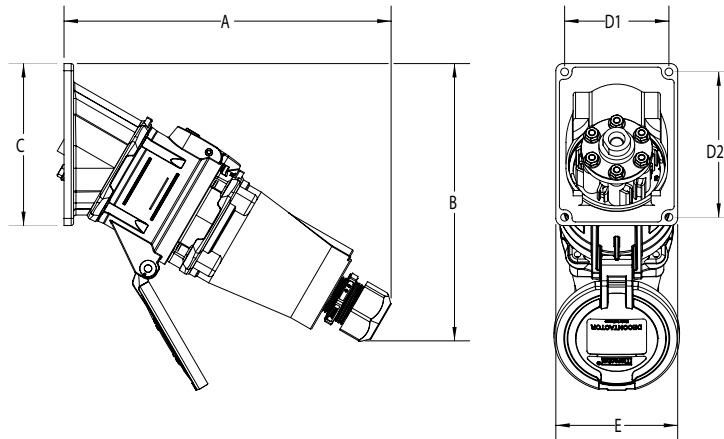
PRODUCT	A	B	C	E
DSP400	8.29	8.94	3.86	2.59

## Plug/Connector



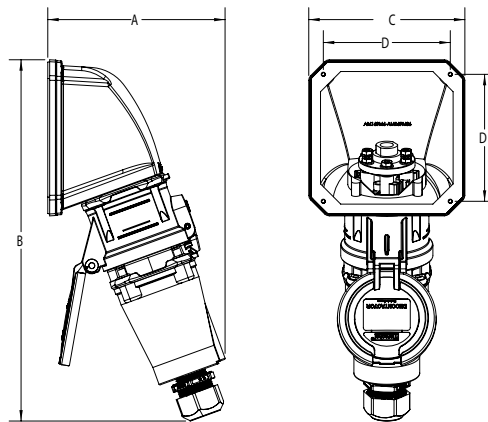
PRODUCT	A	B
DSP400	12.70	7.28

## 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