

# DS30 Switch-Rated - 30 A

## UL/CSA Ratings

- Max Amperage & Voltage**  
30 A, 600 VAC
- Switch-Rating (AC Only)**  
Branch Circuit & Motor Circuit  
Disconnect Switching
- Horsepower Ratings**

120 V	1Ø	1.5 hp
240 V	1Ø	3 hp
208 V	3Ø	5 hp
240 V	3Ø	5 hp
480 V	3Ø	15 hp
600 V	3Ø	15 hp
- Short Circuit Rating**  
100 kA Close & Withstand  
Tested with RK1 current limiting  
fuses sized at 400% of the highest  
full load motor ampacity.
- Environmental Ratings**  
Type 3R (Standard)  
Type 4X (Optional)
- Temperature Range**  
Min -40°F/Max 140°F  
See pg 254 for temperatures outside  
of this range.
- Wiring Capacity**  
Based on THHN wire sizes.  
Min 14 AWG Max 4 AWG  
Aux Contacts - 14 AWG
- Certifications**  
UL 2682, 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 # POLY	PART # POLY
120 V	1P+N+G	33-34165	33-38165
120 208 V	3P+N+G	33-34167	33-38167
125 V	1P+N+G	33-34075	33-38075
125 250 V	2P+N+G	33-34076	33-38076
208 V	2P+G	33-34162	33-38162
208 V	3P+G	33-34163	33-38163
250 V	2P+G	33-34072	33-38072
250 V	3P+G	33-34073	33-38073
277 V	1P+N+G	33-34045	33-38045
277 480 V	3P+N+G	33-34047	33-38047
347 600 V	3P+N+G	33-34147	33-38147
480 V	2P+G	33-34042	33-38042
480 V	3P+G	33-34043	33-38043
600 V	2P+G	33-34142	33-38142
600 V	3P+G	33-34143	33-38143

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.

## Main Options



**Auxiliary/Pilot  
Contacts**



**Mushroom  
Pawl**



**Padlock Pawl**



**Self-Returning  
Lid**

Recommended for cord  
applications to keep lid  
tucked in to avoid damage.

## RECEPTACLE OPTIONS

## SUFFIX #

## INLET OPTIONS

## SUFFIX #

With 2 Auxiliary/Pilot Contacts	<b>Recept # -972</b>	With 2 Auxiliary/Pilot Contacts	<b>Inlet # -972</b>
With 3 Auxiliary/Pilot Contacts	<b>Recept # -973</b>	With 3 Auxiliary/Pilot Contacts	<b>Inlet # -973</b>
With 4 Auxiliary/Pilot Contacts	<b>Recept # -974</b>	With 4 Auxiliary/Pilot Contacts	<b>Inlet # -974</b>
Type 4X & Self-Returning Lid	<b>Recept # -4X</b>	Type 4X Watertightness	<b>Inlet # -4X</b>
Straight Insertion	<b>Recept # -352<sup>2</sup></b>	Self-Ejecting Plug Release**	<b>Inlet # -338</b>
Self-Ejecting Connector Release**	<b>Recept # -354<sup>2</sup></b>	Without Lockout Hole	<b>Inlet # -A155</b>
Mushroom Pawl	<b>Recept # -375</b>	For Microswitch	<b>Inlet # -270<sup>3,4</sup></b>
Padlock Pawl	<b>Recept # -843</b>		
Screw-Type Locking Pawl	<b>Recept # -845</b>		
Metal Pawl (on Poly Receptacle)	<b>Recept # -824</b>		
Self-Returning Lid (Manual Close)	<b>Recept # -NC</b>		
With Microswitch	<b>Recept # -270<sup>3,4</sup></b>		

### Notes:

\*\* For self-ejecting connectors and plugs, a 443 suffix must be added to the handle part number. See pages 233-234 for more information.

<sup>2</sup> This option includes the Self-Returning Lid.

<sup>3</sup> Not UL/CSA listed.

<sup>4</sup> Not available on 3P+N+G configurations.

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

**Order Example: 480 V DS30 + 2 auxiliary contacts**



DS30 Poly inlet 3P+G = 33-38043-972




# INSTALLATION ACCESSORIES – SIZE 3


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

## HANDLES

HANDLE WITH NPT		PART # POLY	PART # METAL
	1/2"	513P0N05	593P0N05
	3/4"	513P0N07	593P0N07
	1"	513P0N10	593P0N10
	1 1/4"	513P0N12	593P0N12

For available cord grips, see pg 159.


POLY HANDLE WITH CORD GRIP	CABLE RANGE	PART #
	.520-.680"	713P0CP5
	.680-.980"	713P0DP4
	.980-1.260"	713P0EP4

METAL HANDLE WITH CORD GRIP	CABLE RANGE	PART #
	.635-.750"	793P0CS4
	.770-.850"	793P0DS1
	.875-1.000"	793P0DS3
	1.000-1.125"	793P0ES2

POLY HANDLE	CABLE RANGE	PART #
	.390-1.180"	513P0D30

POLY HANDLE WITH BUILT IN DRAWPLATES	CABLE RANGE	PART #
	.390-1.180"	513P0D30473

Makes connector closures easier.





POLY HANDLE WITH CLAMP & BUSHING	CABLE RANGE	PART #
	.750-.875"	713P0S14
	.875-1.000"	713P0S16
	1.000-1.125"	713P0S18
	1.125-1.250"	713P0S20
	1.250-1.375"	713P0S22

## ANGLES

POLY ANGLE		
	30°	513M3

	70°	513M7
---	-----	-------


Panel mounting only.


METAL ANGLE		
	0°	593M0
	30°	593M3
	FS/FD Box 30°	793M3FS
	70°	593M7


Base measures approximately 4.2" x 2.7". Due to the variation in sizes of FS boxes, please verify that your FS box matches our dimensions, if not call Customer Service for other solutions.

## BOXES


POLY CONDUIT ENTRY WITH NPT	ANGLE	SIZE	PART #	Notes
	30°	1/2"	513B3N05	For poly devices only * Interior volume with receptacle installed.
	30°	3/4"	513B3N07	
	30°	1"	513B3N10	

POLY WALL BOX WITH ANGLE	ANGLE	PART #	Notes
	70°	513C7000	70° poly boxes are not drilled. * Interior volume with receptacle installed.
	70°	513C7000	

	Ground Bar	51-AA089
---	------------	----------


POLY ANGLE WITH METAL BOX WITH NPT	ANGLE	SIZE	PART #	Notes
	70°	1/2"	713C7N05	* Interior volume with receptacle installed.
	70°	3/4"	713C7N07	
	70°	1"	713C7N10	
	70°	1 1/4"	713C7N12	
	70°	1 1/2"	713C7N15	

METAL BOX WITH NPT	ANGLE	SIZE	PART #
	0°	1/2"	7T1F0N05
	0°	3/4"	7T1F0N07
	0°	1"	7T1F0N10
	0°	1 1/4"	7T1F0N12

POLY ANGLE WITH METAL BOX WITH NPT	ANGLE	SIZE	PART #	Notes
	30°	1/2"	713C3N05	* Interior volume with receptacle installed.
	30°	3/4"	713C3N07	
	30°	1"	713C3N10	
	30°	1 1/4"	713C3N12	

NPT on top or bottom (if rotated). For other configurations, contact Customer Service.


## MISCELLANEOUS ACCESSORIES

FINGER DRAWPLATES	PART #	Notes
	61-6A346	Set of Two (2) Recommended for cord to cord assembly applications, for easier connector closure.

PROTECTIVE INLET/PLUG CAP	PART #	Notes
	31-3A426	For Inlets/Plugs Only.

PADLOCKABLE INLET/PLUG CAP	PART #	Notes
	DS3PC	For Inlets/Plugs Only.

SPRING-LOADED PADLOCKABLE INLET/PLUG CAP	PART #	Notes
	31-3A226	For 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	Notes
	see pg 240 Mount to existing boxes.

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