

# DSN30 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	2 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  
Testing was performed with RK1  
current limiting fuses sized at 400%  
of the highest full load motor  
ampacity associated with the  
devices hp 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**  
Based on THHN wire sizes  
Min 14 AWG Max 8 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	63-34165	63-38165
120 208 V	3P+N+G	63-34167	63-38167
125 V	1P+N+G	63-34075	63-38075
125 250 V	2P+N+G	63-34076	63-38076
208 V	2P+G	63-34162	63-38162
208 V	3P+G	63-34163	63-38163
250 V	2P+G	63-34072	63-38072
250 V	3P+G	63-34073	63-38073
277 V	1P+N+G	63-34045	63-38045
277 480 V	3P+N+G	63-34047	63-38047
347 600 V	3P+N+G	63-34147	63-38147
480 V	2P+G	63-34042	63-38042
480 V	3P+G	63-34043	63-38043
600 V	2P+G	63-34142	63-38142
600 V	3P+G	63-34143	63-38143

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.

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

## RECEPTACLE OPTIONS

## SUFFIX #

## INLET OPTIONS

## SUFFIX #

With 2 Auxiliary/Pilot Contacts

**Recept # -972**

With 2 Auxiliary/Pilot Contacts

**Inlet # -972**

Straight Insertion

**Recept # -352<sup>2</sup>**

Self-Ejecting Plug Release\*\*

**Inlet # -338**

Self-Ejecting Connector Release\*\*

**Recept # -354<sup>2</sup>**

Without Lockout Hole

**Inlet # -A155**

Mushroom Pawl

**Recept # -375**

For Microswitch

**Inlet # -270<sup>3,4</sup>**

Padlock Pawl

**Recept # -843**

**Notes:**

Metal Pawl

**Recept # -824**

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

Self-Returning Lid (Manual Close)

**Recept # -NC**

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

With Microswitch

**Recept # -270<sup>3,4</sup>**

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

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



**Order Example: 480 V DSN30 + 2 auxiliary contacts**  
DSN30 Inlet 3P+G = 63-38043-972




# INSTALLATION ACCESSORIES – SIZE 2


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"	512P0N05	592P0N05
	3/4"	512P0N07	592P0N07
	1"	512P0N10	592P0N10
	1 1/4"	512P0N12	-

For available cord grips, see pg 159.

POLY HANDLE WITH CORD GRIP		CABLE RANGE	PART #
		.350-.520"	712P0BP6
		.520-.680"	712P0CP5
		.680-.980"	712P0DP4
		.980-1.260"	712P0EP4

METAL HANDLE WITH CORD GRIP		CABLE RANGE	PART #
		.438-.500"	792P0BS3
		.500-.562"	792P0BS4
		.562-.625"	792P0CS2
		.625-.750"	792P0CS4
		.770-.875"	792P0DS1
		.870-1.000"	792P0DS3



POLY HANDLE		CABLE RANGE	PART #
		.200-.820"	512P0D21

POLY HANDLE WITH CLAMP & BUSHING		CABLE RANGE	PART #
		.750-.875"	712P0S14
		.875-1.000"	712P0S16
		1.000-1.125"	712P0S18
		1.125-1.250"	712P0S20
		1.250-1.375"	712P0S22


## ANGLES

POLY ANGLE		ANGLE	PART #
	30°	512M3	

	70°	512M7	Panel mounting only.
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METAL ANGLE		ANGLE	PART #
	0°	592M0	
	30°	592M3	
	FS/FD 30°	792M3FS	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			PART #
	30°	1/2"	512B3N05
	30°	3/4"	512B3N07

\* 8.5 in<sup>3</sup>


\* Interior volume with receptacle installed.


POLY WALL BOX WITH ANGLE		PART #
	70°	512C7000

\* 82.0 in<sup>3</sup>

70° poly boxes are not drilled.

\* Interior volume with receptacle installed.


	Ground Bar	51-AA089
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POLY ANGLE WITH METAL WALL BOX WITH NPT			PART #
	70°	1/2"	712C7N05
	70°	3/4"	712C7N07
	70°	1"	712C7N10
	70°	1 1/4"	712C7N12
	70°	1 1/2"	712C7N15

\* 74.6 in<sup>3</sup>

\* Interior volume with receptacle installed.

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


POLY ANGLE WITH METAL BOX WITH NPT			PART #
	30°	1/2"	712C3N05
	30°	3/4"	712C3N07
	30°	1"	712C3N10
	30°	1 1/4"	712C3N12

\* 28.7 in<sup>3</sup>

\* Interior volume with receptacle installed.

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

## MISCELLANEOUS ACCESSORIES

FINGER DRAWPLATES		PART #	DESCRIPTION
	61-3A346	Set of Two (2)	Recommended for all assembly applications, for easier connector closure.

PROTECTIVE INLET/PLUG CAP		
	<b>61-3A426</b>	For Inlets/Plugs Only.

PADLOCKABLE INLET/PLUG CAP		
	<b>61-3A826</b>	For Inlets/Plugs Only.

SPRING-LOADED PADLOCKABLE INLET/PLUG CAP		
	<b>61-3A226</b>	Metal - 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.

SCREWDRIVER FOR TERMINAL SCREWS		
	<b>SD18</b>	Klein 608-3 1/8" cabinet with 3" round shank.

RECEPTACLE LOCKING PIN		
	<b>LP-843</b>	Requires Padlockable Pawl option (-843) on receptacle.