

# 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

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  
(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](https://meltric.com/international-catalog) or contact Customer Service at 800-433-7642.

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	<b>Notes:</b> ** For self-ejecting connectors and plugs, a 443 suffix must be added to all handles except the Poly Handle with NPT and Poly Handle with Cord Grip as these handles come with an integrated cable guide. 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.	
Metal Pawl	Recept # -824		
Self-Returning Lid (Manual Close)	Recept # -NC		
With Microswitch	Recept # -270 <sup>3,4</sup>		

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	
	.438-.500" 792P0BS3
	.500-.562" 792P0BS4
	.562-.625" 792P0CS2
	.625-.750" 792P0CS4
	.770-.875" 792P0DS1
	.870-1.000" 792P0DS3

POLY HANDLE	
	.200-.820" 512P0D21

POLY HANDLE WITH CLAMP & BUSHING	
	.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	
 30°	512M3
 70°	512M7 Panel mounting only.
METAL ANGLE	
 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			
	70°		512C7000
			70° poly boxes are not drilled.
* 82.0 in <sup>3</sup>			* Interior volume with receptacle installed.
	Ground Bar	51-AA089	
POLY ANGLE WITH METAL WALL BOX WITH NPT			
	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			
	0°	1/2"	7T1F0N05
	0°	3/4"	7T1F0N07
	0°	1"	7T1F0N10
	0°	1 1/4"	7T1F0N12
POLY ANGLE WITH METAL BOX WITH NPT			
	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.			

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

### MISCELLANEOUS ACCESSORIES

FINGER DRAWPLATES		
	61-3A346	Set of Two (2) Recommended for all assembly applications, for easier connector closure.
PROTECTIVE INLET/PLUG CAP		
	61-3A426	For Inlets/Plugs Only.
PADLOCKABLE INLET/PLUG CAP		
	61-3A826	For Inlets/Plugs Only.
SPRING-LOADED PADLOCKABLE INLET/PLUG CAP		
	61-3A226	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		
	SD18	Klein 608-3 1/8" cabinet with 3" round shank.
RECEPTACLE LOCKING PIN		
	LP-843	Requires Padlockable Pawl option (-843) on receptacle.