

# DS20 Switch-Rated - 20 A

UL/CSA Ratings	
• Max Amperage & Voltage	20 A, 600 VAC
• Switch-Rating (AC Only)	Branch Circuit & Motor Circuit Disconnect Switching
• Horsepower Ratings	
120 V	10 .75 hp
240 V	10 1.5 hp
208 V	30 3 hp
240 V	30 5 hp
480 V	30 7.5 hp
600 V	30 10 hp
• Short Circuit Rating	100 kA Close & Withstand Testing was performed with 80 A RK1 fast-acting Mersen fuses.
• 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 8 AWG Aux Contact: 14 AWG
• Certifications	UL 2682, UL 1682, CSA C22.2 NO. 182.1, NOM

## Receptacle (female)



! Don't forget to add installation accessories to your order

## Inlet (male)



## North American UL/CSA Configurations

VOLTAGE	POLARITY	PART # POLY	PART # POLY
120 V	1P+N+G	33-14165	33-18165
120 208 V	3P+N+G	33-14167	33-18167
125 V	1P+N+G	33-14075	33-18075
125 250 V	2P+N+G	33-14076	33-18076
208 V	2P+G	33-14162	33-18162
208 V	3P+G	33-14163	33-18163
250 V	2P+G	33-14072	33-18072
250 V	3P+G	33-14073	33-18073
277 V	1P+N+G	33-14045	33-18045
277 480 V	3P+N+G	33-14047	33-18047
347 600 V	3P+N+G	33-14147	33-18147
480 V	2P+G	33-14042	33-18042
480 V	3P+G	33-14043	33-18043
600 V	2P+G	33-14142	33-18142
600 V	3P+G	33-14143	33-18143

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

### Notes:

\*\* 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.

Order Example: 208 V DS20 + 2 auxiliary contacts

DS20 Poly inlet 2P+G = 33-18162-972

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



Handle Option Guide  
pgs 237-238

## 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 WITH DRAWPLATES	PART # POLY	PART # METAL
Poly with drawplates 1/2"	512P0N05	512P0N05E2615	592P0N05
3/4"	512P0N07	512P0N07E2615	592P0N07
1"	512P0N10	512P0N10E2615	592P0N10
1 1/4"	512P0N12	512P0N12E2615	-

For available cord grips, see pg 159.

POLY HANDLE WITH CORD GRIP	CABLE RANGE	PART # WITH DRAWPLATES	PART #
with drawplates	.350-.520"	712P0BP6	712P0BP6E2615
	.520-.680"	712P0CP5	712P0CP5E2615
	.680-.980"	712P0DP4	712P0DP4E2615
	.980-1.260"	712P0EP4	712P0EP4E2615

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 size 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

\* 7.0 in<sup>3</sup>  
\* Interior volume with receptacle installed.

POLY WALL BOX WITH ANGLE			PART #
	70°		512C7000

70° poly boxes are not drilled.

POLY ANGLE WITH METAL BOX WITH NPT			PART #




<tbl\_r cells="4" ix="4" maxcspan="1" maxrspan="1" usedcols="4