

# 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	1Ø	.75 hp
240 V	1Ø	1.5 hp
208 V	3Ø	3 hp
240 V	3Ø	5 hp
480 V	3Ø	7.5 hp
600 V	3Ø	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)

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	33-14165	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](https://meltric.com/international-catalog) or contact Customer Service at 800-433-7642.

Main Options

Auxiliary/Pilot  
Contacts

Mushroom  
Pawl

Padlock Pawl

Self-Returning  
Lid

5/16" hole

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

RECEPTACLE OPTIONS	SUFFIX #	INLET OPTIONS	SUFFIX #
With 2 Auxiliary/Pilot Contacts	Recept # -972	With 2 Auxiliary/Pilot Contacts	Inlet # -972
Type 4X & Self-Returning Lid	Recept # -4X	Type 4X Watertightness	Inlet # -4X
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		
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

## 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

NEW

Poly with  
drawplates

1/2"

512P0N05

512P0N05E2615

592P0N05

3/4"

512P0N07

512P0N07E2615

592P0N07

1"

512P0N10

512P0N10E2615

592P0N10

1 1/4"

512P0N12

512P0N12E2615

-

Poly

1 1/4"

512P0N12

512P0N12E2615

-

Metal

1 1/4"

512P0N12

512P0N12E2615

-

Poly Handle with NPT

Cable Range

Part # with Drawplates

Part #

NEW

with drawplates

.350-.520"

712P0BP6

712P0BP6E2615

.520-.680"

712P0CP5

712P0CP5E2615

.680-.980"

712P0DP4

712P0DP4E2615

.980-1.260"

712P0EP4

712P0EP4E2615

Metal Handle with Cord Grip

Cable Range

Part #

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 #

Part #

.200-.820"

512P0D21

Poly Handle with Clamp & Bushing

Cable Range

Part #

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

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

Angle

Part #

Part #

30°

1/2"

512B3N05

For poly devices only

30°

3/4"

512B3N07

\* Interior volume with receptacle installed.

Poly Wall Box with Angle

Angle

Part #

Part #

70°

512C7000

70° poly boxes are not drilled.

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

Ground Bar

51AA089

\* Interior volume with receptacle installed.

Poly Angle with Metal Box with NPT

Angle

Part #

Part #

70°

1/2"

712C7N05

\* Interior volume with receptacle installed.

70°

3/4"

712C7N07

70°

1"

712C7N10

70°

1 1/4"

712C7N12

70°

1 1/2"

712C7N15

Metal Box with NPT

Angle

Part #

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

Part #

Part #

30°

1/2"

712C3N05

\* Interior volume with receptacle installed.

30°

3/4"

712C3N07

30°

1"

712C3N10

30°

1 1/4"

712C3N12

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

MISCELLANEOUS ACCESSORIES

Finger Drawplates

Part #

Part #

61-3A346

Set of Two (2)  
Recommended for cord to cord assembly applications, for facilitated mating.

Protective Inlet/Plug Cap

Part #

Part #

31-1A426

For Inlets/Plugs Only.

Padlockable Inlet/Plug Cap

Part #

Part #

DS1PC

For Inlets/Plugs Only.

Spring-Loaded Padlockable Inlet/Plug Cap

Part #

Part #

31-1A226

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

Part #

Part #

see pg 240

Mount to existing boxes.

Receptacle Locking Pin

Part #

Part #

LP-843

Requires Padlockable Pawl option (-843) on receptacle.