

# DS20 Switch-Rated Plugs & Receptacles – 20 A

## UL/CSA Ratings

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

120V	1Ø	.75 hp
208V	3Ø	3 hp
240V	3Ø	5 hp
480V	3Ø	7.5 hp
600V	3Ø	10 hp
- **Short Circuit Rating**  
100kA 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 258 for temps below -15°F.
- **Wiring Capacity**  
Min 14 AWG Max 8 AWG  
Aux Contact - Max 14 AWG  
Based on THHN wire sizes
- **Certifications**  
UL 2682, UL 1682, CSA 182.1

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

## Main Options



**Auxiliary/Pilot  
Contacts**



**Mushroom  
Pawl**



**Padlock Pawl**



**Closed Lid  
Configuration**

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>
Type 4X & Closed Lid Configuration	<b>Recept # - 4X</b>	Type 4X Watertightness	<b>Inlet # - 4X</b>
Straight Insertion	<b>Recept # - 352</b>	Self-Ejecting Plug Release	<b>Inlet # - 338</b>
Self-Ejecting Connector Release	<b>Recept # - 354</b>	With No Lockout Hole	<b>Inlet # - A155</b>
Mushroom Pawl	<b>Recept # - 375</b>	For Auxiliary Switch	<b>Inlet # - NNF*</b>
Padlock Pawl	<b>Recept # - 843</b>		
Padlockable Mushroom Pawl	<b>Recept # - 375-843</b>		
Screw-Type Locking Pawl	<b>Recept # - 845</b>		
Metal Pawl (on Poly Receptacle)	<b>Recept # - 824</b>		
Closed Lid Configuration	<b>Recept # - NC</b>		
With Auxiliary Switch	<b>Recept # - 270+</b>		

**Notes:** \* Order inlet with P+N+G configuration and receptacle with P+G configuration.

**Notes:** + Not UL/CSA listed.


**!** See pages 235-244 for detailed information on these options

**Order Example: 208V DS20 + 2 auxiliary contacts**  
DS20 Poly inlet 2P+G = 33-18162-972


# INSTALLATION ACCESSORIES – SIZE 2


Unless indicated otherwise, accessories can be used with either poly or metal plugs and receptacles.

**HANDLES**


HANDLE w/NPT	Part # Poly	Part # Metal
 Poly 1/2"	<b>512P0N05</b>	<b>592P0N05</b>
3/4"	<b>512P0N07</b>	<b>592P0N07</b>
1"	<b>512P0N10</b>	<b>592P0N10</b>
1 1/4"	<b>512P0N12</b>	-

For available cord grips, see page 167.


POLY HANDLE w/CORD GRIP	Cable Range	Part #
	.350 - .520"	<b>712P0BP6</b>
	.520 - .680"	<b>712P0CP5</b>
	.680 - .980"	<b>712P0DP4</b>
	.980 - 1.260"	<b>712P0EP4</b>

METAL HANDLE w/CORD GRIP	Cable Range	Part #
	.438 - .500"	<b>792P0BS3</b>
	.500 - .562"	<b>792P0BS4</b>
	.562 - .625"	<b>792P0CS2</b>
	.625 - .750"	<b>792P0CS4</b>
	.750 - .875"	<b>792P0DS1</b>
	.875 - 1.000"	<b>792P0DS3</b>

POLY HANDLE	Cable Range	Part #
	.20 - .82"	<b>512P0D21</b>


POLY HANDLE w/CLAMP & BUSHING	Cable Range	Part #
	.750 - .875"	<b>712P0S14</b>
	.875 - 1.000"	<b>712P0S16</b>
	1.000 - 1.125"	<b>712P0S18</b>
	1.125 - 1.250"	<b>712P0S20</b>
	1.250 - 1.375"	<b>712P0S22</b>


**ANGLES**

POLY ANGLE	Angle	Part #
	30°	<b>512M3</b>

POLY ANGLE	Angle	Part #
	70°	<b>512M7</b>

METAL ANGLE	Angle	Part #
	0°	<b>592M0</b>

METAL ANGLE	Angle	Part #
	30°	<b>592M3</b>


METAL ANGLE	Angle	Part #	Notes
	FS/FD Box 30°	<b>792M3FS</b>	* 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 w/NPT	Angle	Size	Part #	Notes
	30°	1/2"	<b>512B3N05</b>	For poly devices only
	30°	3/4"	<b>512B3N07</b>	* Interior volume with receptacle installed.

POLY WALL BOX w/ANGLE	Angle	Part #	Notes
	70°	<b>512C7000</b>	70° poly boxes are not drilled. Contact customer service if factory drilling is required.

GROUND BAR	Part #	Notes
	<b>51AA089</b>	* Interior volume with receptacle installed.


POLY ANGLE WITH METAL BOX w/NPT	Angle	Size	Part #	Notes
	70°	1/2"	<b>712C7N05</b>	
	70°	3/4"	<b>712C7N07</b>	
	70°	1"	<b>712C7N10</b>	* Interior volume with receptacle installed.
	70°	1 1/4"	<b>712C7N12</b>	
	70°	1 1/2"	<b>712C7N15</b>	

METAL BOX w/NPT	Angle	Size	Part #
	0°	1/2"	<b>7T1F0N05</b>
	0°	3/4"	<b>7T1F0N07</b>
	0°	1"	<b>7T1F0N10</b>
	0°	1 1/4"	<b>7T1F0N12</b>

POLY ANGLE WITH METAL BOX w/NPT	Angle	Size	Part #	Notes
	30°	1/2"	<b>712C3N05</b>	
	30°	3/4"	<b>712C3N07</b>	* Interior volume with receptacle installed.
	30°	1"	<b>712C3N10</b>	
	30°	1 1/4"	<b>712C3N12</b>	

NPT on top or bottom (if rotated). For other NPT configurations, contact customer service.

**MISCELLANEOUS ACCESSORIES**


FINGER DRAWPLATES	Part #	Notes
	<b>61-3A346</b>	Set of Two (2) Recommended for cord to cord assembly applications, for easier connector closure.

PROTECTIVE INLET/PLUG CAP	Part #	Notes
	<b>31-1A426</b>	For Inlets/Plugs Only.

PADLOCKABLE INLET/PLUG CAP	Part #	Notes
	<b>DS1PC</b>	For Inlets/Plugs Only.

SPRING-LOADED PADLOCKABLE INLET/PLUG CAP	Part #	Notes
	<b>31-1A226</b>	For Inlets/Plugs Only. -A155 suffix required to maintain water ingress protection.

EASY RETROFIT ADAPTER PLATES	Part #	Notes
	see pg 164	Mount to existing boxes.

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