

# DSN20 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 |
| 240V | 1Ø | 2 hp   |
| 208V | 3Ø | 3 hp   |
| 240V | 3Ø | 3 hp   |
| 480V | 3Ø | 7.5 hp |
| 600V | 3Ø | 7.5 hp |
- **Short Circuit Rating**  
100kA Close & Withstand  
Testing was performed with 35 A RK1 non-time delay Mersen fuses.  
10kA Close & Withstand  
Testing was performed with 50 A RK1 non-time delay Mersen fuses.
- **Environmental Ratings**  
Type 4X/IP69/IP69K\*  
\*Also meets IP66/IP67 requirements
- **Temperature Range**  
Min -40°F/Max 140°F  
See pg 256 for temps below -15°F.
- **Wiring Capacity**  
Min 14 AWG Max 12 AWG  
Aux Contacts - 18 AWG prewired
- **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 #<br>Poly | Part #<br>Poly |
|----------|----------|----------------|----------------|
| 120V     | 1P+N+G   | 63-14165       | 63-18165       |
| 120 208V | 3P+N+G   | 63-14167       | 63-18167       |
| 125V     | 1P+N+G   | 63-14075       | 63-18075       |
| 125 250V | 2P+N+G   | 63-14076       | 63-18076       |
| 208V     | 2P+G     | 63-14162       | 63-18162       |
| 208V     | 3P+G     | 63-14163       | 63-18163       |
| 250V     | 2P+G     | 63-14072       | 63-18072       |
| 250V     | 3P+G     | 63-14073       | 63-18073       |
| 277V     | 1P+N+G   | 63-14045       | 63-18045       |
| 277 480V | 3P+N+G   | 63-14047       | 63-18047       |
| 347 600V | 3P+N+G   | 63-14147       | 63-18147       |
| 480V     | 2P+G     | 63-14042       | 63-18042       |
| 480V     | 3P+G     | 63-14043       | 63-18043       |
| 600V     | 2P+G     | 63-14142       | 63-18142       |
| 600V     | 3P+G     | 63-14143       | 63-18143       |

## Main Options



**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>    | Self-Ejecting Plug Release | <b>Inlet # - 338</b>  |
| Straight Insertion              | <b>Recept # - 352</b>     | With No Lockout Hole       | <b>Inlet # - A155</b> |
| Self-Ejecting Connector Release | <b>Recept # - 354</b>     |                            |                       |
| Mushroom Pawl                   | <b>Recept # - 375</b>     |                            |                       |
| Padlock Pawl                    | <b>Recept # - 843</b>     |                            |                       |
| Padlockable Mushroom Pawl       | <b>Recept # - 375-843</b> |                            |                       |
| Metal Pawl                      | <b>Recept # - 824</b>     |                            |                       |
| Closed Lid Configuration        | <b>Recept # - NC</b>      |                            |                       |



**Notes:** \* Unlike other DSN & DS products, the DSN20 pilots are only on the receptacle side and create a continuity loop that is completed when a plug is connected to the receptacle.

! See pages 233-242 for detailed information on these options


**Order Example: 480V DSN20 with padlock pawl**  
DSN20 Receptacle 3P+G = 63-14043-843


# INSTALLATION ACCESSORIES – SIZE 1


## HANDLES


| HANDLE w/NPT                                                                      |           | Part # Poly | Part # Metal |
|-----------------------------------------------------------------------------------|-----------|-------------|--------------|
|  | Poly 1/2" | 511P0N05    | 791P0N05L    |
|                                                                                   | 3/4"      | 511P0N07    | 791P0N07L    |
|  | Metal 1"  | 511P0N10    | 791P0N10L    |


For available cord grips, see page 165.

| POLY HANDLE w/CORD GRIP                                                           | Cable Range  | Part #   |
|-----------------------------------------------------------------------------------|--------------|----------|
|  | .350 - .520" | 711P0BP6 |
|                                                                                   | .520 - .680" | 711P0CP5 |
|                                                                                   | .680 - .980" | 711P0DP4 |


| METAL HANDLE w/CORD GRIP                                                          | Cable Range  | Part #    |
|-----------------------------------------------------------------------------------|--------------|-----------|
|  | .438 - .500" | 791P0BS3L |
|                                                                                   | .500 - .562" | 791P0BS4L |
|                                                                                   | .562 - .625" | 791P0BS5L |
|                                                                                   | .625 - .750" | 791P0CS4L |

| POLY HANDLE                                                                       | Cable Range | Part #   |
|-----------------------------------------------------------------------------------|-------------|----------|
|  | .35 - .70"  | 511P0D18 |


| POLY EXTENDED HANDLE                                                               | Cable Range | Part #   |
|------------------------------------------------------------------------------------|-------------|----------|
|  | .20 - .83"  | 511P0D21 |


| POLY ANGLED HANDLE                                                                  | Cable Range | Part #   |
|-------------------------------------------------------------------------------------|-------------|----------|
|  | .35 - .70"  | 511P6D18 |

## ANGLES


| POLY ANGLE                                                                          |            |       |
|-------------------------------------------------------------------------------------|------------|-------|
|  | MB Box 30° | 511M3 |

|                                                                                     |     |       |
|-------------------------------------------------------------------------------------|-----|-------|
|  | 70° | 511M7 |
|-------------------------------------------------------------------------------------|-----|-------|


| METAL ANGLE                                                                         |    |       |
|-------------------------------------------------------------------------------------|----|-------|
|  | 0° | 591M0 |

|                                                                                     |               |         |
|-------------------------------------------------------------------------------------|---------------|---------|
|  | FS/FD Box 30° | 791M3FS |
|-------------------------------------------------------------------------------------|---------------|---------|

\* 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.

|                                                                                     |     |       |
|-------------------------------------------------------------------------------------|-----|-------|
|  | 45° | 591M4 |
|-------------------------------------------------------------------------------------|-----|-------|

## BOXES

| POLY CONDUIT ENTRY w/NPT                                                          |     |      |  | Part #   |
|-----------------------------------------------------------------------------------|-----|------|--|----------|
|  | 30° | 1/2" |  | 511B3N05 |
|                                                                                   | 30° | 3/4" |  | 511B3N07 |


\* 6.7 in<sup>3</sup>

\* Interior volume with receptacle installed.


| POLY WALL BOX w/ANGLE                                                             |     |  |          |
|-----------------------------------------------------------------------------------|-----|--|----------|
|  | 70° |  | 511C7000 |

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

70° poly boxes are not drilled. Contact customer service if factory drilled is required.


|                                                                                   |            |         |
|-----------------------------------------------------------------------------------|------------|---------|
|  | Ground Bar | 51AA089 |
|-----------------------------------------------------------------------------------|------------|---------|


\* Interior volume with receptacle installed.

| POLY ANGLE WITH METAL BOX w/NPT                                                   |     |        |          |
|-----------------------------------------------------------------------------------|-----|--------|----------|
|  | 70° | 1/2"   | 711C7N05 |
|                                                                                   | 70° | 3/4"   | 711C7N07 |
|                                                                                   | 70° | 1"     | 711C7N10 |
|                                                                                   | 70° | 1 1/4" | 711C7N12 |
|                                                                                   | 70° | 1 1/2" | 711C7N15 |

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

\* Interior volume with receptacle installed.

| METAL BOX w/NPT                                                                   |    |        |          |
|-----------------------------------------------------------------------------------|----|--------|----------|
|  | 0° | 1/2"   | 7T1F0N05 |
|                                                                                   | 0° | 3/4"   | 7T1F0N07 |
|                                                                                   | 0° | 1"     | 7T1F0N10 |
|                                                                                   | 0° | 1 1/4" | 7T1F0N12 |


| POLY ANGLE WITH METAL BOX w/NPT                                                     |     |        |          |
|-------------------------------------------------------------------------------------|-----|--------|----------|
|  | 30° | 1/2"   | 711C3N05 |
|                                                                                     | 30° | 3/4"   | 711C3N07 |
|                                                                                     | 30° | 1"     | 711C3N10 |
|                                                                                     | 30° | 1 1/4" | 711C3N12 |

\* 29.8 in<sup>3</sup>

\* Interior volume with receptacle installed.

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

## MISCELLANEOUS ACCESSORIES


| FINGER DRAWPLATES                                                                   |          |                                                                                                     |
|-------------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------------------------|
|  | 61-1A346 | Set of Two (2)<br>Recommended for cord to cord assembly applications, for easier connector closure. |

| PROTECTIVE INLET/PLUG CAP                                                           |          |                        |
|-------------------------------------------------------------------------------------|----------|------------------------|
|  | 61-1A426 | For Intets/Plugs Only. |

| PADLOCKABLE INLET/PLUG CAP                                                          |          |                        |
|-------------------------------------------------------------------------------------|----------|------------------------|
|  | 61-1A826 | For Intets/Plugs Only. |

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

| EASY RETROFIT ADAPTER PLATES                                                        |            |                          |
|-------------------------------------------------------------------------------------|------------|--------------------------|
|  | see pg 162 | Mount to existing boxes. |

| RECEPTACLE LOCKING PIN                                                              |        |                                                        |
|-------------------------------------------------------------------------------------|--------|--------------------------------------------------------|
|  | LP-843 | Requires Padlockable Pawl option (-843) on receptacle. |