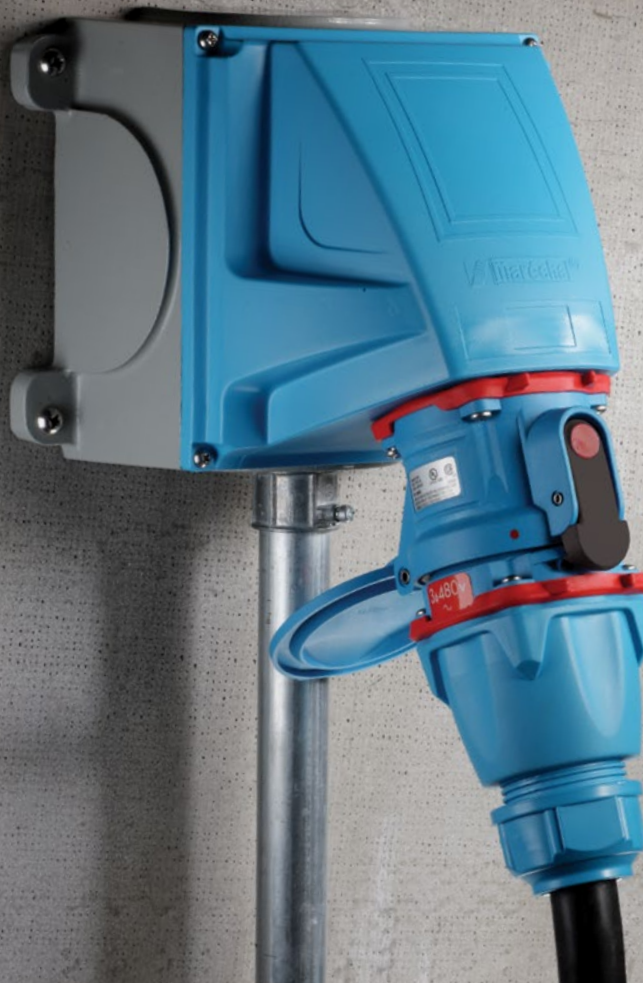


# DSN



|                      |       |
|----------------------|-------|
| Features and Ratings | p. 24 |
| DSN20                | p. 25 |
| DSN30                | p. 27 |
| DSN60                | p. 29 |
| DSN150               | p. 31 |
| Spare parts          | p. 33 |
| Dimensions           | p. 35 |



## Switch-Rated plug and receptacle with Type 4X protection

DSN Series products are switch and hp rated for quick, safe equipment changeouts. DSN's are ideal for wet environments since they offer Type 4X watertightness as soon as the plug is connected to the receptacle or the lid is closed.

### Main Advantages

- ▶ Switch & Hp rated
- ▶ 100 kA short circuit rated\*
- ▶ Type 4X or IP66/IP67
- ▶ Compact, lightweight design
- ▶ Up to 6 auxiliary contacts

### Highlighted Advantage

Simplify Compliance to  
NFPA 70E & CSA Z462

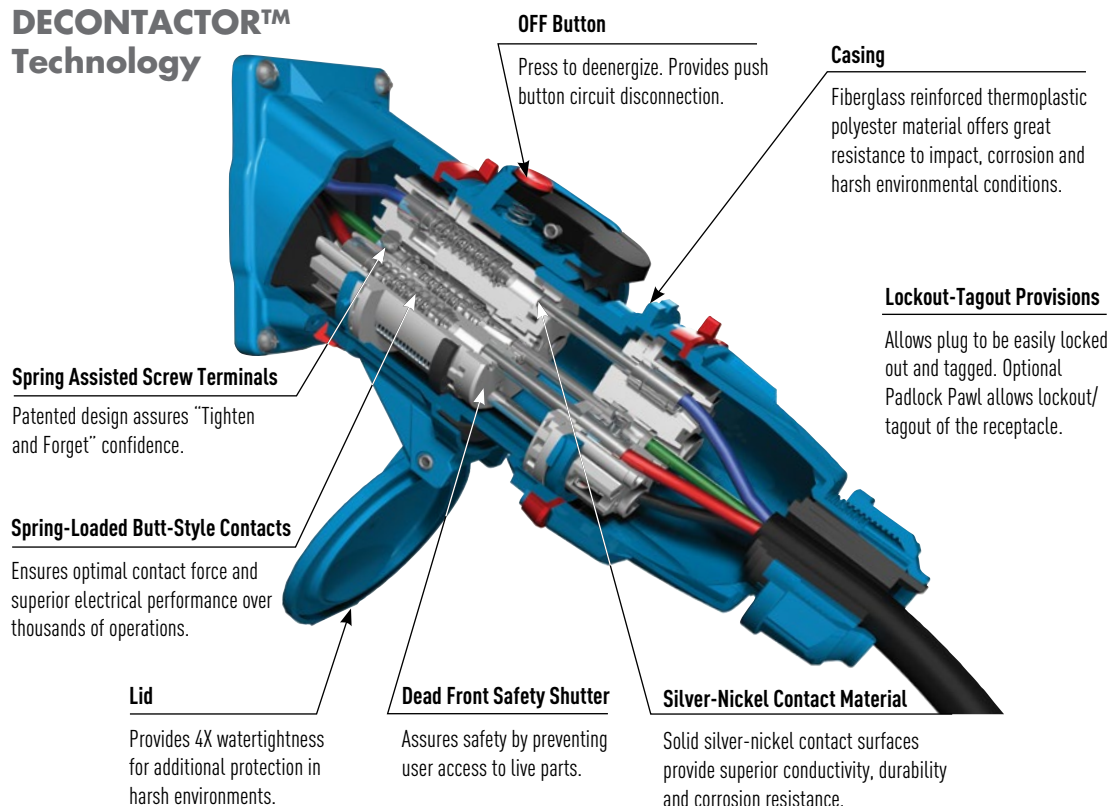
See pgs 19-20 for  
more information



\* See note under General Ratings on the next page.

# Product Features

## DECONTACTOR™ Technology



## General Ratings

|   |                                       |
|---|---------------------------------------|
| <b>Amperage</b>                             | 20 to 150A                            |
| <b>Voltage</b>                              | 600 VAC                               |
| <b>Frequency</b>                            | 50-400 Hz (Not UL listed above 60 Hz) |
| <b>Horsepower</b>                           | 1/2 to 75 hp                          |
| <b>Short-Circuit (Make &amp; Withstand)</b> | 100kA*                                |
| <b>Environmental</b>                        | Type 4X                               |
| <b>Temperature</b>                          | min -40°F/max 140°F                   |

\* DSN20, DSN30, DSN60: Testing was performed with RK1 current limiting fuses sized at 400% or more of the highest full load motor ampacity associated with the devices horsepower ratings.

\* DSN150: 100kA testing was performed with 225A RK1 non-time delay Mersen fuses. 10kA testing was performed with 400A RK1 non-time delay Mersen fuses.

## Listings

| Category                                      | UL  | CSA             | IEC                 |
|---|---|-----------------|---------------------|
| Plugs and Receptacles                         | UL 1682   | C22.2 No. 182.1 | 60309-1             |
| Branch Circuit Disconnect Switching (AC only) | UL Subject 2682 (Performance tests from UL 98)  | UL Subject 2682 | 60947-3, AC22, AC23 |
| Motor Circuit Disconnect Switching (AC only)  | UL Subject 2682 (Performance tests from UL 508) | UL Subject 2682 |                     |

CE ratings available upon request.

## Operating Instructions



When the plug and receptacle are latched together, the circuit is connected.



Pressing the pawl breaks the connection and opens the circuit. The plug is ejected to its rest position; The contacts are now dead.



Rotating the 'dead' plug 30° counterclockwise closes the safety shutter and frees the plug to be withdrawn from the receptacle.

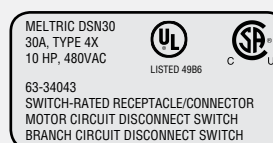


The plug and the receptacle are separated. The safety shutter prevents access to live parts.

5 To reconnect, insert plug into receptacle, rotate 30° clockwise, and apply insertion force.

## Highlighted Feature

### Typical Device Labels



Meltric DSN Series Switch-Rated devices are UL & CSA rated for "motor circuit" and "branch circuit" disconnect switching – up to 75 hp and up to 150A.

# DSN20



## DSN – 20A Switch-Rated Plugs & Receptacles

### UL/CSA Ratings

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

|      |    |          |
|------|----|----------|
| 120V | 1Ø | 1/2 hp   |
| 240V | 1Ø | 1 1/2 hp |
| 208V | 3Ø | 2 hp     |
| 240V | 3Ø | 2 hp     |
| 480V | 3Ø | 5 hp     |
| 600V | 3Ø | 5 hp     |
- **Short Circuit Rating**  
100kA 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\*  
\*Also meets IP66/IP67 requirements
- **Temperature Range**  
Min -40°F / Max 140°F  
See pg 234 for temps below -15°F.
- **Wiring Capacity**  
Min 14 AWG Max 12 AWG
- **Applicable Standards**  
UL 2682, UL 1682, CSA 182.1

### Receptacle (female)



Don't forget to add installation accessories to your order



### Inlet (male)



### North American UL/CSA Configurations

| Voltage  | Polarity | Part # Poly |
|----------|----------|-------------|
| 120V     | 1P+N+G   | 63-14165    |
| 120/208V | 3P+N+G   | 63-14167    |
| 125V     | 1P+N+G   | 63-14075    |
| 125/250V | 2P+N+G   | 63-14076    |
| 208V     | 2P+G     | 63-14162    |
| 208V     | 3P+G     | 63-14163    |
| 250V     | 2P+G     | 63-14072    |
| 250V     | 3P+G     | 63-14073    |
| 277V     | 1P+N+G   | 63-14045    |
| 277/480V | 3P+N+G   | 63-14047    |
| 347/600V | 3P+N+G   | 63-14147    |
| 480V     | 2P+G     | 63-14042    |
| 480V     | 3P+G     | 63-14043    |
| 600V     | 2P+G     | 63-14142    |
| 600V     | 3P+G     | 63-14143    |

| Voltage  | Polarity | Part # Poly |
|----------|----------|-------------|
| 120V     | 1P+N+G   | 63-18165    |
| 120/208V | 3P+N+G   | 63-18167    |
| 125V     | 1P+N+G   | 63-18075    |
| 125/250V | 2P+N+G   | 63-18076    |
| 208V     | 2P+G     | 63-18162    |
| 208V     | 3P+G     | 63-18163    |
| 250V     | 2P+G     | 63-18072    |
| 250V     | 3P+G     | 63-18073    |
| 277V     | 1P+N+G   | 63-18045    |
| 277/480V | 3P+N+G   | 63-18047    |
| 347/600V | 3P+N+G   | 63-18147    |
| 480V     | 2P+G     | 63-18042    |
| 480V     | 3P+G     | 63-18043    |
| 600V     | 2P+G     | 63-18142    |
| 600V     | 3P+G     | 63-18143    |

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



**Mushroom Pawl**



**Padlock Pawl**



**Closed Lid Configuration**

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

### Receptacle Options

### Suffix #

|                                 |                    |
|---------------------------------|--------------------|
| Straight Insertion              | Recept # - 352     |
| Self-Ejecting Connector Release | Recept # - 354     |
| Mushroom Pawl                   | Recept # - 375     |
| Padlock Pawl                    | Recept # - 843     |
| Padlockable Mushroom Pawl       | Recept # - 375-843 |
| Metal Pawl                      | Recept # - 824     |
| Closed Lid Configuration        | Recept # - NC      |

### Inlet Options

### Suffix #

|                            |                |
|----------------------------|----------------|
| Self-Ejecting Plug Release | Inlet # - 338  |
| With No Lockout Hole       | Inlet # - A155 |

### 480V DSN20 Order Example:

To order a receptacle with a padlock pawl add **-843** the receptacle part number.

DSN20 receptacle 3P+G= 63-14043-**843**

Appropriate accessory numbers must also be included on the order.

### How to Order

Receptacle and Inlet (see above)



Angle, Handle, Plug Cap, etc (see opposite page)



See pgs 211-220 for detailed information on these options



# Installation Accessories

## Handles



| NPT  | Poly Handle | Cable Range | Nylon Handle | Extended Handle | Angled Handle |
|------|-------------|-------------|--------------|-----------------|---------------|
| 1/2" | 61-1A013-12 | .20 - .82   | –            | 61-1A413        | –             |
| 3/4" | 61-1A013-34 | .35 - .70   | 61-1A013     | –               | 61-1A313      |
| 1"   | 61-1A013-1  |             |              |                 |               |

- Notes:**
- Finger draw plates are recommended for easier connector closure on cord to cord assemblies.
  - For available cord grips, see pgs 169-170.

- For a guideline of NPT sizes based on cable ranges, see DSN30 on pg 28.

## Angles



| Metal 45° Angle | Nylon 30° Angle for MB Box | Metal 30° Angle for FS Box | Metal Straight Adapter |
|-----------------|----------------------------|----------------------------|------------------------|
| MA1             | 61-1A027-601               | MAFS1*                     | MS1                    |

\* MAFS1 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.

## Junction Boxes



| NPT    | Metal Box | Metal Box with Nylon Angle | Poly Conduit Entry | Poly 70°* Wall Box | Poly 70° Alum Wall Box |
|--------|-----------|----------------------------|--------------------|--------------------|------------------------|
| 1/2"   | MB312     | 61-1A053-080-12            | 61-1A023-12        | 51-AA058           | 59-AA058-12            |
| 3/4"   | MB334     | 61-1A053-080-34            | 61-1A023-34        | 51-AA058           | 59-AA058-34            |
| 1"     | MB31      | 61-1A053-080-1             | –                  | 51-AA058           | 59-AA058-1             |
| 1 1/4" | MB3114    | 61-1A053-080-114           | –                  | 51-AA058           | 59-AA058-114           |
| 1 1/2" | –         | –                          | –                  | –                  | 59-AA058-112           |

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

+ Interior volume with receptacle installed.

## Miscellaneous Accessories



\* Set of Two (2)



For Male Devices Only



For Male Devices Only



SD18\*\*



Mount to existing boxes



LP-843

| Finger Drawplates | Protective Cap | Padlockable Plug Cap | Screwdriver for Terminal Screws | Easy Retrofit Adapter Plates | Receptacle* Locking Pin |
|-------------------|----------------|----------------------|---------------------------------|------------------------------|-------------------------|
| 61-1A346          | 61-1A426       | 61-1A826             | SD18**                          | see pg 166                   | LP-843                  |

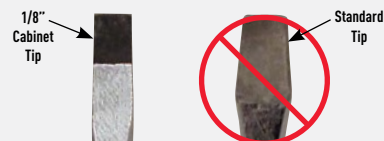
\* Recommended for cord to cord assembly applications, for easier connector closure.

\*\* Klein 608-3 1/8" cabinet tip screwdriver with 3" round shank.

+ Requires Padlockable Pawl option (-843) on receptacle.

## Accessory Spotlight

### Recommended Screwdriver



DSN20 terminal screws can be tightened or loosened with a 1/8" cabinet tip screwdriver. MELTRIC recommends Klein 608 Series or equal. The terminal screws on DSN20 devices **cannot** be properly accessed with a standard screwdriver.

## Order Example

A typical order should include an inlet part number, a receptacle part number **AND** the matching handles, angles or other required accessories.



Male Inlet with Handle (Plug)  
63-18043 + 61-1A013



Female Receptacle with Angle Adapter  
63-14043 + 61-1A027

# DSN30



## DSN – 30A Switch-Rated Plugs & Receptacles

### UL/CSA Ratings

- **Max Amperage & Voltage**  
30A, 600 VAC
- **Switch-Rating (AC Only)**  
Branch Circuit & Motor Circuit Disconnect Switching
- **Horsepower Ratings**

|      |    |       |
|------|----|-------|
| 120V | 1Ø | 1 hp  |
| 240V | 1Ø | 3 hp  |
| 208V | 3Ø | 5 hp  |
| 240V | 3Ø | 5 hp  |
| 480V | 3Ø | 10 hp |
| 600V | 3Ø | 15 hp |
- **Short Circuit Rating**  
100kA 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\*  
\* Also meets IP66/IP67 requirements
- **Temperature Range**  
Min -40°F/Max 140°F  
See pg 234 for temps below -15°F.
- **Wiring Capacity**  
Min 14 AWG Max 8 AWG  
Aux Contacts - 14 AWG
- **Applicable Standards**  
UL 2682, UL1682, CSA 182.1

### Receptacle (female)



Don't forget to add installation accessories to your order



### Inlet (male)



### North American UL/CSA Configurations

| Voltage  | Polarity | Part # Poly |
|----------|----------|-------------|
| 120V     | 1P+N+G   | 63-34165    |
| 120/208V | 3P+N+G   | 63-34167    |
| 125V     | 1P+N+G   | 63-34075    |
| 125/250V | 2P+N+G   | 63-34076    |
| 208V     | 2P+G     | 63-34162    |
| 208V     | 3P+G     | 63-34163    |
| 250V     | 2P+G     | 63-34072    |
| 250V     | 3P+G     | 63-34073    |
| 277V     | 1P+N+G   | 63-34045    |
| 277/480V | 3P+N+G   | 63-34047    |
| 347/600V | 3P+N+G   | 63-34147    |
| 480V     | 2P+G     | 63-34042    |
| 480V     | 3P+G     | 63-34043    |
| 600V     | 2P+G     | 63-34142    |
| 600V     | 3P+G     | 63-34143    |

| Voltage  | Polarity | Part # Poly |
|----------|----------|-------------|
| 120V     | 1P+N+G   | 63-38165    |
| 120/208V | 3P+N+G   | 63-38167    |
| 125V     | 1P+N+G   | 63-38075    |
| 125/250V | 2P+N+G   | 63-38076    |
| 208V     | 2P+G     | 63-38162    |
| 208V     | 3P+G     | 63-38163    |
| 250V     | 2P+G     | 63-38072    |
| 250V     | 3P+G     | 63-38073    |
| 277V     | 1P+N+G   | 63-38045    |
| 277/480V | 3P+N+G   | 63-38047    |
| 347/600V | 3P+N+G   | 63-38147    |
| 480V     | 2P+G     | 63-38042    |
| 480V     | 3P+G     | 63-38043    |
| 600V     | 2P+G     | 63-38142    |
| 600V     | 3P+G     | 63-38143    |

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



**Auxiliary/Pilot Contacts**



**Mushroom Pawl**



**5/16" hole**

**Padlock Pawl**



**Closed Lid Configuration**

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

### Receptacle Options

### Suffix #

|                                 |                    |
|---------------------------------|--------------------|
| With 2 Auxiliary/Pilot Contacts | Recept # - 972     |
| Straight Insertion              | Recept # - 352     |
| Self-Ejecting Connector Release | Recept # - 354     |
| Mushroom Pawl                   | Recept # - 375     |
| Padlock Pawl                    | Recept # - 843     |
| Padlockable Mushroom Pawl       | Recept # - 375-843 |
| Metal Pawl                      | Recept # - 824     |
| Closed Lid Configuration        | Recept # - NC      |
| With Auxiliary Switch           | Recept # - 270*    |

**Notes:** \* Not UL/CSA Listed

### 480V DSN30 Order Example:

To order 2 auxiliary contacts on an inlet and receptacle add -972 to the part numbers.

DSN30 Inlet 3P+G = 63-38043-972

DSN30 Receptacle 3P+G = 63-34043-972

Appropriate accessory part numbers must also be included on the order.

### Inlet Options

### Suffix #

|                                 |                |
|---------------------------------|----------------|
| With 2 Auxiliary/Pilot Contacts | Inlet # - 972  |
| Self-Ejecting Plug Release      | Inlet # - 338  |
| With No Lockout Hole            | Inlet # - A155 |
| For Auxiliary Switch*           | Inlet # - NNF  |

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

### How to Order

Receptacle and Inlet (see above)



Angle, Handle, Plug Cap, etc (see opposite page)



See pgs 211-220 for detailed information on these options

# Installation Accessories

## Handles



| NPT    | Poly Handle  | Cable Range   | Nylon Handle | Poly Handle w/Clamp & Bushing |
|--------|--------------|---------------|--------------|-------------------------------|
| 1/2"   | 61-3A013-12  | .20 - .82     | 61-3A013     | -                             |
| 3/4"   | 61-3A013-34  | .750 - .875   | -            | 1PM514                        |
| 1"     | 61-3A013-1   | .875 - 1.000  | -            | 1PM516                        |
| 1 1/4" | 61-3A013-114 | 1.000 - 1.125 | -            | 1PM518                        |
|        |              | 1.125 - 1.250 | -            | 1PM520                        |
|        |              | 1.250 - 1.375 | -            | 1PM522                        |

**Notes:**

- Finger draw plates are recommended for easier connector closure on cord to cord assemblies.
- For available cord grips, see pgs 169-170.

## NPT Guidelines

| Cable Range  | NPT    |
|--------------|--------|
| .312 - .625  | 1/2"   |
| .438 - .812  | 3/4"   |
| .660 - 1.000 | 1"     |
| .875 - 1.375 | 1 1/4" |

NPT sizes are determined by the cable diameter and third party cord grip.

## Angles



| Nylon 30° Angle | Metal 30° Angle | Metal Angle FS/FD Box 30° | Metal Straight Adapter |
|-----------------|-----------------|---------------------------|------------------------|
| 61-3A027        | MA2             | MAFS2*                    | MS2                    |

\* MAFS2 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.

## Junction Boxes



| NPT    | Metal Box | Metal Box with Nylon Angle | Poly Conduit Entry | Poly 70°* Wall Box | Poly 70° Alum Wall Box |
|--------|-----------|----------------------------|--------------------|--------------------|------------------------|
| 1/2"   | MB312     | 61-3A053-080-12            | 61-3A023-12        | 51-BA058           | 59-BA058-12            |
| 3/4"   | MB334     | 61-3A053-080-34            | 61-3A023-34        | 51-BA058           | 59-BA058-34            |
| 1"     | MB31      | 61-3A053-080-1             | -                  | 51-BA058           | 59-BA058-1             |
| 1 1/4" | MB3114    | 61-3A053-080-114           | -                  | 51-BA058           | 59-BA058-114           |
| 1 1/2" | -         | -                          | -                  | -                  | 59-BA058-112           |

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

+ Interior volume with receptacle installed.

## Miscellaneous Accessories



\* Set of Two (2)



For Male Devices Only



For Male Devices Only



Screwdriver for Terminal Screws



Mount to existing boxes



Receptacle Locking Pin

| Finger Drawplates | Protective Cap | Padlockable Plug Cap | Screwdriver for Terminal Screws | Easy Retrofit Adapter Plates | Receptacle Locking Pin |
|-------------------|----------------|----------------------|---------------------------------|------------------------------|------------------------|
| 61-3A346          | 61-3A426       | 61-3A826             | SD18**                          | see pg 166                   | LP-843                 |

\* Recommended for cord to cord assembly applications, for easier connector closure.

\*\* Klein 608-3 1/8" cabinet tip screwdriver with 3" round shank.

+ Requires Padlockable Pawl option (-843) on receptacle.

## Accessory Spotlight

### Receptacle Locking Pin



A 5/16" locking pin can be ordered to securely lockout receptacles that include the 'padlockable pawl' option. The user can also utilize a lock with a 5/16" shank. Locks with smaller shanks will NOT securely lockout a receptacle pawl.

## Order Example

A typical order should include an inlet part number, a receptacle part number **AND** the matching handles, angles or other required accessories.



Male Inlet with Handle (Plug)  
63-38043 + 61-3A013



Female Receptacle with Angle Adapter  
63-34043 + 61-3A027

# DSN60



## DSN – 60A Switch-Rated Plugs & Receptacles

### UL/CSA Ratings

- **Max Amperage & Voltage**  
60A, 600 VAC
- **Switch-Rating (AC Only)**  
Branch Circuit & Motor Circuit Disconnect Switching
- **Horsepower Ratings**

|      |    |          |
|------|----|----------|
| 120V | 1Ø | 2 hp     |
| 240V | 1Ø | 3 hp     |
| 208V | 3Ø | 7 1/2 hp |
| 240V | 3Ø | 7 1/2 hp |
| 480V | 3Ø | 20 hp    |
| 600V | 3Ø | 20 hp    |
- **Short Circuit Rating**  
100kA 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\*  
\* Also meets IP66/IP67 requirements
- **Temperature Range**  
Min -40°F/Max 140°F  
See pg 234 for temps below -15°F.
- **Wiring Capacity**  
Min 12 AWG Max 4 AWG  
Aux Contacts - Max 14 AWG
- **Applicable Standards**  
UL 2682, UL1682, CSA 182.1

### Receptacle (female)



Don't forget to add installation accessories to your order



### Inlet (male)



### North American UL/CSA Configurations

| Voltage  | Polarity | Part # Poly |
|----------|----------|-------------|
| 120V     | 1P+N+G   | 63-64165    |
| 120/208V | 3P+N+G   | 63-64167    |
| 125V     | 1P+N+G   | 63-64075    |
| 125/250V | 2P+N+G   | 63-64076    |
| 208V     | 2P+G     | 63-64162    |
| 208V     | 3P+G     | 63-64163    |
| 250V     | 2P+G     | 63-64072    |
| 250V     | 3P+G     | 63-64073    |
| 277V     | 1P+N+G   | 63-64045    |
| 277/480V | 3P+N+G   | 63-64047    |
| 347/600V | 3P+N+G   | 63-64147    |
| 480V     | 2P+G     | 63-64042    |
| 480V     | 3P+G     | 63-64043    |
| 600V     | 2P+G     | 63-64142    |
| 600V     | 3P+G     | 63-64143    |

| Voltage  | Polarity | Part # Poly |
|----------|----------|-------------|
| 120V     | 1P+N+G   | 63-68165    |
| 120/208V | 3P+N+G   | 63-68167    |
| 125V     | 1P+N+G   | 63-68075    |
| 125/250V | 2P+N+G   | 63-68076    |
| 208V     | 2P+G     | 63-68162    |
| 208V     | 3P+G     | 63-68163    |
| 250V     | 2P+G     | 63-68072    |
| 250V     | 3P+G     | 63-68073    |
| 277V     | 1P+N+G   | 63-68045    |
| 277/480V | 3P+N+G   | 63-68047    |
| 347/600V | 3P+N+G   | 63-68147    |
| 480V     | 2P+G     | 63-68042    |
| 480V     | 3P+G     | 63-68043    |
| 600V     | 2P+G     | 63-68142    |
| 600V     | 3P+G     | 63-68143    |

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



**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 #

|                                 |                    |
|---------------------------------|--------------------|
| With 2 Auxiliary/Pilot Contacts | Recept # - 972     |
| With 3 Auxiliary/Pilot Contacts | Recept # - 973     |
| With 4 Auxiliary/Pilot Contacts | Recept # - 974     |
| Straight Insertion              | Recept # - 352     |
| Self-Ejecting Connector Release | Recept # - 354     |
| Mushroom Pawl                   | Recept # - 375     |
| Padlock Pawl                    | Recept # - 843     |
| Padlockable Mushroom Pawl       | Recept # - 375-843 |
| Metal Pawl                      | Recept # - 824     |
| Closed Lid Configuration        | Recept # - NC      |
| With Auxiliary Switch           | Recept # - 270*    |

**Notes:** \* Not UL/CSA Listed

### 480V DSN60 Order Example:

To order 2 auxiliary contacts on an inlet and receptacle add -972 to the part numbers.

DSN60 Inlet 3P+G = 63-68043-972

DSN60 Receptacle 3P+G = 63-64043-972

### Inlet Options

### Suffix #

|                                 |                |
|---------------------------------|----------------|
| With 2 Auxiliary/Pilot Contacts | Inlet # - 972  |
| With 3 Auxiliary/Pilot Contacts | Inlet # - 973  |
| With 4 Auxiliary/Pilot Contacts | Inlet # - 974  |
| Self-Ejecting Plug Release      | Inlet # - 338  |
| With No Lockout Hole            | Inlet # - A155 |
| For Auxiliary Switch*           | Inlet # - NNF  |

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

### How to Order

Receptacle and Inlet (see above)



Angle, Handle, Plug Cap, etc (see opposite page)



See pgs 211-220 for detailed information on these options

# Installation Accessories



Makes connector closures easier

| NPT    | Poly Handle  | Cable Range   | Nylon Handle | Poly Handle w/Clamp & Bushing | Poly Handle w/built in Draw Grips |
|--------|--------------|---------------|--------------|-------------------------------|-----------------------------------|
| 1/2"   | 61-6A013-12  | .39 - 1.18    | 61-6A013     | –                             | 61-6A473                          |
| 3/4"   | 61-6A013-34  | .750 - .875   | –            | 3PM514                        | –                                 |
| 1"     | 61-6A013-1   | .875 - 1.000  | –            | 3PM516                        | –                                 |
| 1 1/4" | 61-6A013-114 | 1.000 - 1.125 | –            | 3PM518                        | –                                 |
|        |              | 1.125 - 1.250 | –            | 3PM520                        | –                                 |
|        |              | 1.250 - 1.375 | –            | 3PM522                        | –                                 |

**Notes:**

- Finger draw plates are recommended for easier connector closure on cord to cord assemblies.
- For available cord grips, see pgs 169-170.

- For a guideline of NPT sizes based on cable ranges, see DSN30 on pg 28.

## Angles



| Nylon 30° Angle | Metal 30° Angle | Metal 70° Angle | Metal Angle FS/FD Box 30° | Metal Straight Adapter |
|-----------------|-----------------|-----------------|---------------------------|------------------------|
| 61-6A027        | MA3             | 89-3A027        | MAFS3*                    | MS3                    |

\* MAFS3 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.

## Junction Boxes



29.6 in<sup>3</sup>+

13.5 in<sup>3</sup>+

185.7 in<sup>3</sup>+

170.0 in<sup>3</sup>+

| NPT    | Metal Box | Metal Box with Nylon Angle | Poly Conduit Entry | Poly 70°* Wall Box | Poly 70° Alum Wall Box |
|--------|-----------|----------------------------|--------------------|--------------------|------------------------|
| 1/2"   | MB312     | 61-6A053-080-12            | 61-6A023-12        | 51-CA058           | 59-CA058-12            |
| 3/4"   | MB334     | 61-6A053-080-34            | 61-6A023-34        | 51-CA058           | 59-CA058-34            |
| 1"     | MB31      | 61-6A053-080-1             | 61-6A023-1         | 51-CA058           | 59-CA058-1             |
| 1 1/4" | MB3114    | 61-6A053-080-114           | –                  | 51-CA058           | 59-CA058-114           |
| 1 1/2" | –         | –                          | –                  | –                  | 59-CA058-112           |

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

+ Interior volume with receptacle installed.

## Miscellaneous Accessories



\* Set of Two (2)



For Male Devices Only



For Male Devices Only



Cord Grip with or w/o Mesh



Mount to existing boxes



Receptacle+ Locking Pin

| Finger Drawplates | Protective Cap | Padlockable Plug Cap | Cord Grip with or w/o Mesh | Easy Retrofit Adapter Plates | Receptacle+ Locking Pin |
|-------------------|----------------|----------------------|----------------------------|------------------------------|-------------------------|
| 61-6A346          | 61-6A426       | 61-6A826             | see pgs 169-170            | see pg 166                   | LP-843                  |

\* Recommended for cord to cord assembly applications, for easier connector closure.

+ Requires Padlockable Pawl option (-843) on receptacle.

## Accessory Spotlight

### Finger Drawplates



Finger drawplates are highly recommended for easier connector closure on cord to cord assemblies.

## Order Example

A typical order should include an inlet part number, a receptacle part number **AND** the matching handles, angles or other required accessories.



Male Inlet with Handle (Plug)  
63-68043 + 61-6A013



Female Receptacle with Angle Adapter  
63-64043 + 61-6A027





## DSN – 150A Switch-Rated Plugs & Receptacles

### UL/CSA Ratings

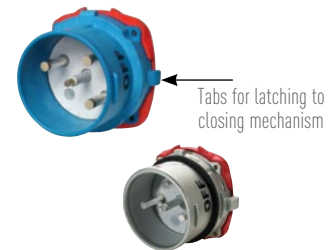
- **Max Amperage & Voltage**  
150A, 600 VAC
- **Switch-Rating (AC Only)**  
Branch Circuit & Motor Circuit Disconnect Switching
- **Horsepower Ratings**

|      |    |          |
|------|----|----------|
| 120V | 1Ø | 7 1/2 hp |
| 240V | 1Ø | 20 hp    |
| 208V | 3Ø | 30 hp    |
| 240V | 3Ø | 30 hp    |
| 480V | 3Ø | 75 hp    |
| 600V | 3Ø | 75 hp    |
- **Short Circuit Rating**  
100kA Close & Withstand  
Testing was performed with 225A RK1 non-time delay Mersen fuses.  
10kA Close & Withstand  
Testing was performed with 400A RK1 non-time delay Mersen fuses.
- **Environmental Ratings**  
Type 4X\*  
\* Also meets IP66/IP67 requirements
- **Temperature Range**  
Min -40°F/Max 140°F  
See pg 234 for temps below -15°F.
- **Wiring Capacity**  
Min 4 AWG Max 2/0 AWG  
Aux Contacts - Prewired w/14 AWG
- **Applicable Standards**  
UL 2682, UL 1682, CSA 182.1

### Receptacle (female)



### Inlet (male)



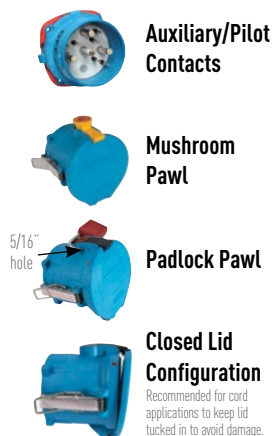
### North American UL/CSA Configurations

| Voltage  | Polarity | Part #<br>Poly | Part #<br>Metal |
|----------|----------|----------------|-----------------|
| 120V     | 1P+N+G   | 63-94165       | 69-94165        |
| 120/208V | 3P+N+G   | 63-94167       | 69-94167        |
| 125V     | 1P+N+G   | 63-94075       | 69-94075        |
| 125/250V | 2P+N+G   | 63-94076       | 69-94076        |
| 208V     | 2P+G     | 63-94162       | 69-94162        |
| 208V     | 3P+G     | 63-94163       | 69-94163        |
| 250V     | 2P+G     | 63-94072       | 69-94072        |
| 250V     | 3P+G     | 63-94073       | 69-94073        |
| 277V     | 1P+N+G   | 63-94045       | 69-94045        |
| 277/480V | 3P+N+G   | 63-94047       | 69-94047        |
| 347/600V | 3P+N+G   | 63-94147       | 69-94147        |
| 480V     | 2P+G     | 63-94042       | 69-94042        |
| 480V     | 3P+G     | 63-94043       | 69-94043        |
| 600V     | 2P+G     | 63-94142       | 69-94142        |
| 600V     | 3P+G     | 63-94143       | 69-94143        |

| Voltage  | Polarity | Part #<br>Poly | Part #<br>Metal |
|----------|----------|----------------|-----------------|
| 120V     | 1P+N+G   | 63-98165       | 69-98165        |
| 120/208V | 3P+N+G   | 63-98167       | 69-98167        |
| 125V     | 1P+N+G   | 63-98075       | 69-98075        |
| 125/250V | 2P+N+G   | 63-98076       | 69-98076        |
| 208V     | 2P+G     | 63-98162       | 69-98162        |
| 208V     | 3P+G     | 63-98163       | 69-98163        |
| 250V     | 2P+G     | 63-98072       | 69-98072        |
| 250V     | 3P+G     | 63-98073       | 69-98073        |
| 277V     | 1P+N+G   | 63-98045       | 69-98045        |
| 277/480V | 3P+N+G   | 63-98047       | 69-98047        |
| 347/600V | 3P+N+G   | 63-98147       | 69-98147        |
| 480V     | 2P+G     | 63-98042       | 69-98042        |
| 480V     | 3P+G     | 63-98043       | 69-98043        |
| 600V     | 2P+G     | 63-98142       | 69-98142        |
| 600V     | 3P+G     | 63-98143       | 69-98143        |

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

| Receptacle Options              | Suffix #           |
|---------------------------------|--------------------|
| With 2 Auxiliary/Pilot Contacts | Recept # - 262     |
| With 3 Auxiliary/Pilot Contacts | Recept # - 263     |
| With 4 Auxiliary/Pilot Contacts | Recept # - 264     |
| With 5 Auxiliary/Pilot Contacts | Recept # - 975     |
| With 6 Auxiliary/Pilot Contacts | Recept # - 976     |
| Straight Insertion              | Recept # - 352     |
| Self-Ejecting Connector Release | Recept # - 354     |
| Mushroom Pawl                   | Recept # - 375     |
| Padlock Pawl                    | Recept # - 843     |
| Padlockable Mushroom Pawl       | Recept # - 375-843 |
| Locking Mushroom Pawl           | Recept # - 845     |
| Metal Pawl (on poly receptacle) | Recept # - 824     |
| 180° Opening Lid                | Recept # - 180**   |
| Closed Lid Configuration        | Recept # - NC      |
| With Auxiliary Switch           | Recept # - 270***  |

### Inlet Options

| Inlet Options                   | Suffix #       |
|---------------------------------|----------------|
| With 2 Auxiliary/Pilot Contacts | Inlet # - 262  |
| With 3 Auxiliary/Pilot Contacts | Inlet # - 263  |
| With 4 Auxiliary/Pilot Contacts | Inlet # - 264  |
| With 5 Auxiliary/Pilot Contacts | Inlet # - 975  |
| With 6 Auxiliary/Pilot Contacts | Inlet # - 976  |
| Self-Ejecting Plug Release      | Inlet # - 338  |
| With No Lockout Hole            | Inlet # - A155 |
| For Auxiliary Switch*           | Inlet # - NNF  |

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

### 480V DSN150 Order Example:

To order 2 auxiliary/pilot contacts on an inlet and receptacle add **-262** to the part numbers.

DSN150 Poly inlet 3P+G=63-98043-**262**

DSN150 Poly receptacle 3P+G=63-94043-**262**

Appropriate accessory part numbers must also be included on the order.

**Notes:** \*\* Required when mating to rigid mounted male inlet.

\*\*\* Not UL/CSA listed.

i Metal devices only.

? See pgs 211-220 for detailed information on these options

# Installation Accessories

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

## Handles



IP 66/67



| NPT    | Poly Handle | Metal* Handle | Oversized* Metal Handle |
|--------|-------------|---------------|-------------------------|
| 3/4"   | 9PH34       | 9H34          | 9MH34                   |
| 1"     | 9PH1        | 9H1           | 9MH1                    |
| 1 1/4" | 9PH114      | 9H114         | 9MH114                  |
| 1 1/2" | 9PH112      | 9H112         | 9MH112                  |
| 2"     | 9PH2        | 9H2           | 9MH2                    |
| 2 1/2" | -           | -             | 9MH212                  |

| Cable Range   | Santoprene™ Handle | Poly Handle w/Clamp & Bushing |
|---------------|--------------------|-------------------------------|
| .70 - 1.00    | 65-9A013-D25       | -                             |
| .984 - 1.377  | 65-9A013-D35       | -                             |
| 1.250 - 1.375 | -                  | 9PM622                        |
| 1.377 - 1.771 | 65-9A013-D45       | -                             |
| 1.438 - 1.562 | -                  | 9PM625                        |
| 1.562 - 1.688 | -                  | 9PM627                        |
| 1.688 - 1.812 | -                  | 9PM629                        |

**Notes:**

- For available cord grips, see pgs 169-170.
- \* For metal devices only.

- For a guideline of NPT sizes based on cable ranges, see DS30 on pg 42.

## Angles



| Nylon 30° Angle | Metal 30° Angle | Metal 70° Angle | Metal Angle* Oversized 30° | Metal Straight Adapter |
|-----------------|-----------------|-----------------|----------------------------|------------------------|
| MP10            | MA10            | 89-9A027        | MA110                      | MS10                   |

+ Mounts on oversize box only. Order with MB22xxx box. See page 50.

## Junction Boxes



108.7 in<sup>3</sup>



111.8 in<sup>3</sup>

| NPT    | Metal Box | Metal Box with Nylon Angle | Metal Box with Metal Angle |
|--------|-----------|----------------------------|----------------------------|
| 1 1/4" | MB10114   | 31-9A053-080-114           | 39-9A053-080-114           |
| 1 1/2" | MB10112   | 31-9A053-080-112           | 39-9A053-080-112           |
| 2"     | MB102     | 31-9A053-080-2             | 39-9A053-080-2             |
| 2 1/2" | MB10212   | 31-9A053-080-212           | 39-9A053-080-212           |

+ Interior volume with receptacle installed.

## Miscellaneous Accessories



For Male Devices Only



For Male Devices Only



Cord Grip with Mesh



Mount to existing boxes



Receptacle + Locking Pin

| Protective Cap | Padlockable Cap Aluminum | Cord Grip with Mesh | Easy Retrofit Adapter Plates | Receptacle + Locking Pin |
|----------------|--------------------------|---------------------|------------------------------|--------------------------|
| 31-9A126       | DS9MC                    | see pgs 169-170     | see pg 166                   | LP-843                   |

+ Requires Padlockable Pawl option (-843) on receptacle.

## Feature Spotlight – Easy Closing Mechanism

A new and simplified closing mechanism is now standard on the DSN150, DS100 and DS200 plugs and receptacles. This compact mechanism enables easy connection of the plug to the receptacle.

**Notes:** After connection, the mechanism must be released to allow disconnection of the device.



The plug is partially inserted, clamps are placed around tab, ready to pull the plug into the receptacle.



The handles are pushed down, the plug is fully drawn into the receptacle.

## Order Example

A typical order should include an inlet part number, a receptacle part number **AND** the matching handles, angles or other required accessories.



Male Inlet with Handle (Plug)  
63-98043 + 9H34



Female Receptacle with Angle Adapter  
63-94043 + MA10