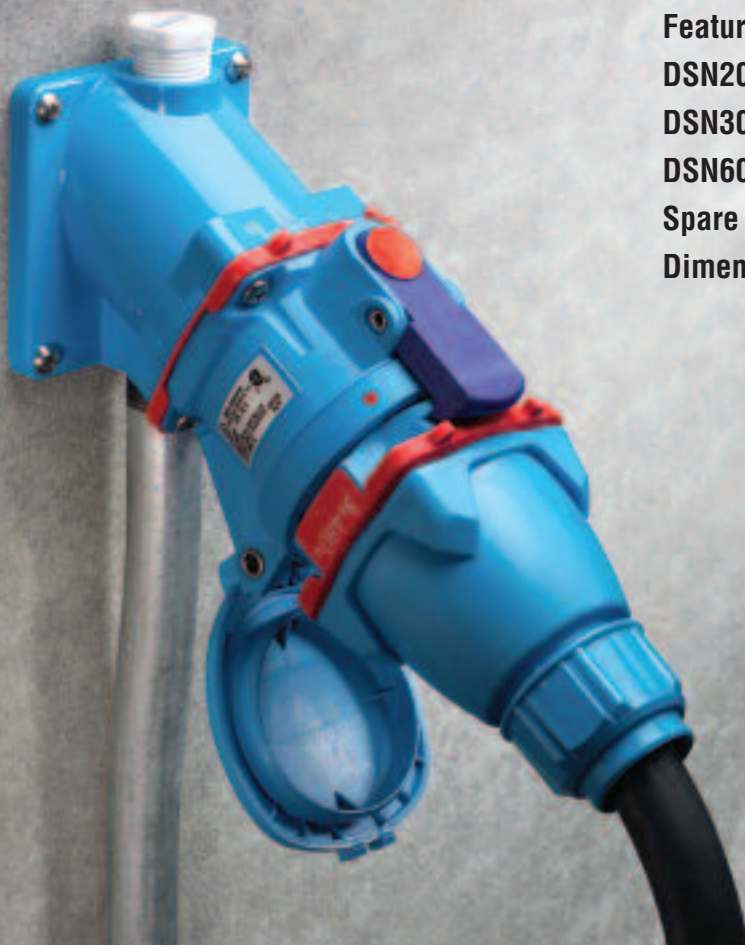




|                      |       |
|----------------------|-------|
| Features and Ratings | p. 22 |
| DSN20                | p. 23 |
| DSN30                | p. 25 |
| DSN60                | p. 27 |
| Spare parts          | p. 29 |
| Dimensions           | p. 31 |



## Switch rated plugs and receptacles with NEMA 4X protection

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

### Main Advantages

- ▼ Switch & Hp rated (AC only)
- ▼ 100 kA short circuit rated\*
- ▼ NEMA 4X, IP66/67
- ▼ Compact, lightweight design
- ▼ Up to 4 auxiliary contacts

\* See note under General Ratings on the next page

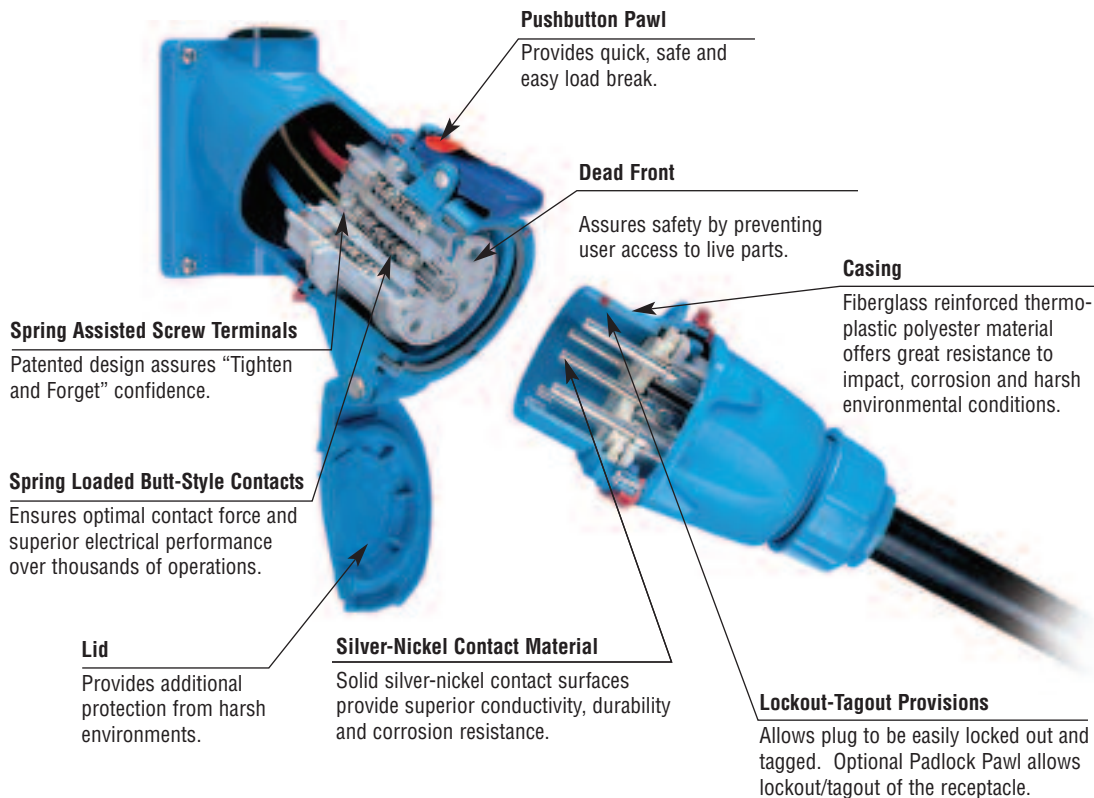
### Highlighted Advantage

Simplify NFPA 70E Compliance

See pgs 17-18 for more information



# Product Features



## General Ratings

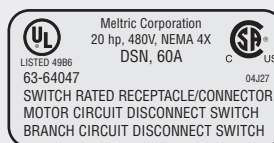
|                                  |                       |
|----------------------------------|-----------------------|
| Amperage                         | 20 to 60A             |
| Voltage                          | 600 VAC*, 250 VDC Max |
| Frequency                        | 50-400 Hz             |
| Horsepower                       | 1/2 to 20 hp          |
| Short-Circuit (Make & Withstand) | 100kA**               |
| Environmental                    | NEMA 4X, IP66 + 67    |
| Temperature                      | min -40°F/max 140°F   |

\* DSN1 devices are 480 VAC

\*\* 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.

## Highlighted Feature

### Typical Device Labels



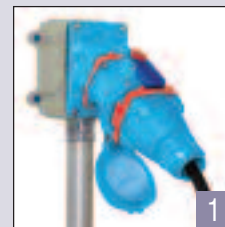
DSN Deconnectors are UL & CSA rated for "motor circuit" and "branch circuit" disconnect switching – up to 20 hp and up to 60A

## Listings

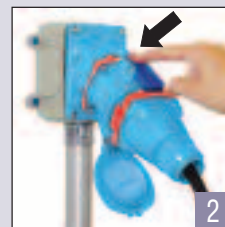
| Category                                      | UL                                             | CSA             | IEC                 |
|-----------------------------------------------|------------------------------------------------|-----------------|---------------------|
| Plugs and Receptacles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

CE ratings available upon request

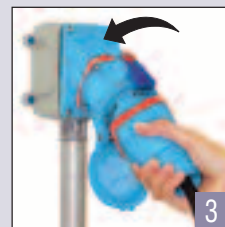
## Operating Instructions



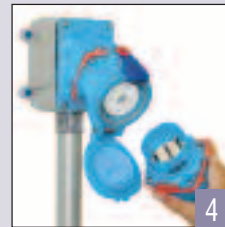
When the plug and receptacle are latched together, the circuit is connected.



Pressing the pawl causes the DECONNECTOR to break the circuit. The plug is ejected to its rest position; its 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.



# DECONTACTOR™ – 20A

## Switch Rated Plugs & Receptacles

### Ratings

- Voltage**  
480 VAC
  - Switch Rating (AC Only)**  
Branch Circuit & Motor Circuit  
Disconnect Switching
  - Horsepower Ratings**

|      |    |        |
|------|----|--------|
| 120V | 1Ø | 1/2 hp |
| 240V | 1Ø | 1 hp   |
| 208V | 3Ø | 2 hp   |
| 240V | 3Ø | 2 hp   |
| 480V | 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**  
NEMA 4X, IP66 + 67
  - Temperature Range**  
Min -40°F/Max 140°F  
See pg 194 for temps below -15°F.
  - Wiring Capacity**  
Min 20 AWG Max 12 AWG
  - Listings**  
UL, CSA, IEC, CE\*
- \* Contact Customer Service

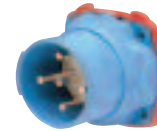
### Receptacle (female)



Don't forget to  
add installation  
accessories to  
your order



### Inlet (male)



| Voltage  | Polarity | Part #<br>Poly |
|----------|----------|----------------|
| 120/208V | 3P+N+E   | 63-14167       |
| 125V     | 1P+N+E   | 63-14075       |
| 125/250V | 2P+N+E   | 63-14076       |
| 208V     | 2P+E     | 63-14162       |
| 208V     | 3P+E     | 63-14163       |
| 250V     | 2P+E     | 63-14072       |
| 250V     | 3P+E     | 63-14073       |
| 277V     | 1P+N+E   | 63-14045       |
| 277/480V | 3P+N+E   | 63-14047       |
| 347/600V | 3P+N+E   | –              |
| 480V     | 2P+E     | 63-14042       |
| 480V     | 3P+E     | 63-14043       |
| 600V     | 2P+E     | –              |
| 600V     | 3P+E     | –              |

| Voltage  | Polarity | Part #<br>Poly |
|----------|----------|----------------|
| 120/208V | 3P+N+E   | 63-18167       |
| 125V     | 1P+N+E   | 63-18075       |
| 125/250V | 2P+N+E   | 63-18076       |
| 208V     | 2P+E     | 63-18162       |
| 208V     | 3P+E     | 63-18163       |
| 250V     | 2P+E     | 63-18072       |
| 250V     | 3P+E     | 63-18073       |
| 277V     | 1P+N+E   | 63-18045       |
| 277/480V | 3P+N+E   | 63-18047       |
| 347/600V | 3P+N+E   | –              |
| 480V     | 2P+E     | 63-18042       |
| 480V     | 3P+E     | 63-18043       |
| 600V     | 2P+E     | –              |
| 600V     | 3P+E     | –              |

Other voltage configurations are available – contact customer service at 800.433.7642.

### Main Options



**Emergency  
Stop Pawl**



**Padlock Pawl**



**Self-Ejecting  
Devices\***

\* Requires straight  
insertion receptacle or  
inlet and self-ejecting  
plug or connector

### Receptacle Options

### Suffix #

|                                 |                     |
|---------------------------------|---------------------|
| Straight Insertion              | Recept # - A188     |
| Self-Ejecting Connector Release | Recept # - 345-A188 |
| Emergency Stop Pawl             | Recept # - 375      |
| Padlock Pawl                    | Recept # - 843      |
| Closed Lid Configuration        | Recept # - NC       |

### Inlet Options

### Suffix #

|                            |                    |
|----------------------------|--------------------|
| Self-Ejecting Plug Release | Inlet # - 338-A188 |
| Straight Insertion         | Inlet # - A188     |
| With No Lockout Hole       | Inlet # - A155     |

### DSN20 Order Example:

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

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

Appropriate accessory numbers must also be  
included on the order

See pgs 171-180 for detailed  
information on these options



# Installation Accessories

## Handles



| NPT  | Poly Handle | Cable Range | Extended Handle | Nylon Handle | Angled Handle |
|------|-------------|-------------|-----------------|--------------|---------------|
| 1/2" | 61-1A013-12 | .20 - .83   | 61-1A413        | —            | —             |
| 3/4" | 61-1A013-34 | .31 - .59   | —               | 61-1A013     | —             |
| 1"   | 61-1A013-1  | .32 - .67   | —               | —            | 61-1A313      |

**Notes:**

- Finger draw plates are recommended for easier connector closure on cord to cord assemblies.
- For available cord grips, see pgs 167-168.

- For a guideline of NPT sizes based on cable ranges, see DSN3 on pg 26.

## Angles



| Nylon 30° Angle | Metal 30° Angle | Metal Straight Adapter - Inlet | Metal Straight Adapter - Receptacle |
|-----------------|-----------------|--------------------------------|-------------------------------------|
| 61-1A027        | MA1             | MSPN                           | MS1                                 |

## Junction Boxes



| NPT    | Metal Box  | Metal Box with Nylon Angle | Poly* Conduit Entry |
|--------|------------|----------------------------|---------------------|
| 1/2"   | MB312-601  | 61-1A053-080-12            | 61-1A023-12         |
| 3/4"   | MB334-601  | 61-1A053-080-34            | 61-1A023-34         |
| 1"     | MB31-601   | 61-1A053-080-1             | —                   |
| 1 1/4" | MB3114-601 | 61-1A053-080-114           | —                   |

\* For poly devices only

## Miscellaneous Accessories



\* Set of Two (2)



For Male Devices Only



For Male Devices Only

| Finger Drawplates | Protective Cap | Padlockable Plug Cap |
|-------------------|----------------|----------------------|
| 61-1A346          | 61-1A126       | 61-1A826             |

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

## Specialty Products Spotlight

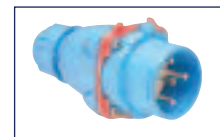
### Voltage Phase Rotation Meter



Voltage phase rotation meter assemblies offer an easy means of testing Meltric receptacles for voltage and motor rotation. See pg 169.

## 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



# DECONTACTOR™ – 30A

## Switch Rated Plugs & Receptacles

### Ratings

- Voltage**  
600 VAC, 250 VDC
- Switch Ratings (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**  
NEMA 4X, IP66 + 67
- Temperature Range**  
Min -40°F/Max 140°F  
See pg 194 for temps below -15°F.
- Wiring Capacity**  
Min 14 AWG Max 8 AWG  
Aux Contacts - Max 8 AWG
- Listings**  
UL, CSA, IEC, CE\*  
\* Contact Customer Service

### Receptacle (female)



Don't forget to  
add installation  
accessories to  
your order



### Inlet (male)



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

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

Other voltage configurations are available – contact customer service at 800.433.7642.

### Main Options



**Auxiliary/Pilot  
Contacts**



**Emergency  
Stop Pawl**



**Padlock Pawl**



**Self-Ejecting  
Devices\***

\* Requires straight  
insertion receptacle or  
inlet and self-ejecting  
plug or connector

See pgs 171-180 for detailed  
information on these options

### Receptacle Options

### Suffix #

|                                 |                     |
|---------------------------------|---------------------|
| With 2 Auxiliary/Pilot Contacts | Recept # - 972      |
| Straight Insertion              | Recept # - A188     |
| Self-Ejecting Connector Release | Recept # - 345-A188 |
| Emergency Stop Pawl             | Recept # - 375      |
| Padlock Pawl                    | Recept # - 843      |
| Closed Lid Configuration        | Recept # - NC       |
| With Auxiliary Switch           | Recept # - 270      |

### Inlet Options

### Suffix #

|                                 |                    |
|---------------------------------|--------------------|
| With 2 Auxiliary/Pilot Contacts | Inlet # - 972      |
| Self-Ejecting Plug Release      | Inlet # - 338-A188 |
| Straight Insertion              | Inlet # - A188     |
| With No Lockout Hole            | Inlet # - A155     |
| For Auxiliary Switch            | Inlet # - NNF      |

#### DSN30 Order Example:

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

DSN30 Inlet 3P+E = 63-38043-**972**

DSN30 Receptacle 3P+E = 63-34043-**972**

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

# Installation Accessories

## Handles



| NPT    | Poly Handle  | Cable Range   | Poly Handle w/Clamp & Bushing | Nylon Handle |
|--------|--------------|---------------|-------------------------------|--------------|
| 1/2"   | 61-3A013-12  | .20 - .83     | —                             | 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 167-168.

## NPT Guidelines

| Cable Range  | NPT    |
|--------------|--------|
| .062 - .5    | 1/2"   |
| .187 - .75   | 3/4"   |
| .437 - 1.10  | 1"     |
| .750 - 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                    |

## Junction Boxes



| NPT    | Metal Box | Metal Box with Nylon Angle | Poly* Conduit Entry |
|--------|-----------|----------------------------|---------------------|
| 1/2"   | MB312     | 61-3A053-080-12            | 61-3A023-12         |
| 3/4"   | MB334     | 61-3A053-080-34            | 61-3A023-34         |
| 1"     | MB31      | 61-3A053-080-1             | —                   |
| 1 1/4" | MB3114    | 61-3A053-080-114           | —                   |

\* For poly devices only

## Miscellaneous Accessories



\* Set of Two (2)



For Male Devices Only



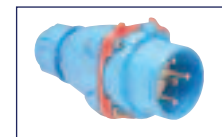
For Male Devices Only

| Finger Drawplates | Protective Cap | Padlockable Plug Cap |
|-------------------|----------------|----------------------|
| 61-3A346          | 61-3A126       | 61-3A826             |

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

## 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



# DECONTACTOR™ – 60A

## Switch Rated Plugs & Receptacles

### Ratings

- Voltage**  
600 VAC, 250 VDC
  - Switch Ratings (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**  
NEMA 4X, IP66 + 67
  - Temperature Range**  
Min -40°F/Max 140°F  
See pg 194 for temps below -15°F.
  - Wiring Capacity**  
Min 12 AWG Max 4 AWG  
Aux Contacts - Max 12 AWG
  - Listings**  
UL, CSA, IEC, CE\*
- \* Contact Customer Service

### Receptacle (female)

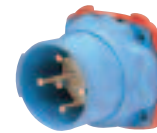


Don't forget to  
add installation  
accessories to  
your order



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

### Inlet (male)



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

Other voltage configurations are available – contact customer service at 800.433.7642.

### Main Options



**Auxiliary/Pilot  
Contacts**



**Emergency  
Stop Pawl**



**Padlock Pawl**



**Self-Ejecting  
Devices\***

\* Requires straight  
insertion receptacle or  
inlet and self-ejecting  
plug or connector

See pgs 171-180 for detailed  
information on these options

### 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 # - A188     |
| Self-Ejecting Connector Release | Recept # - 345-A188 |
| Emergency Stop Pawl             | Recept # - 375      |
| Padlock Pawl                    | Recept # - 843      |
| Closed Lid Configuration        | Recept # - NC       |
| With Auxiliary Switch           | Recept # - 270      |

### 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-A188 |
| Straight Insertion              | Inlet # - A188     |
| With No Lockout Hole            | Inlet # - A155     |
| For Auxiliary Switch            | Inlet # - NNF      |

#### DSN60 Order Example:

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

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

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

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

# Installation Accessories

## Handles



Makes connector closures easier

| NPT    | Poly Handle  | Cable Range   | Poly Handle w/Clamp & Bushing | Nylon Handle | Poly Handle w/built in Draw Grips |
|--------|--------------|---------------|-------------------------------|--------------|-----------------------------------|
| 1/2"   | 61-6A013-12  | .32 - 1.25    | —                             | —            | 61-6A473                          |
| 3/4"   | 61-6A013-34  | .39 - 1.18    | —                             | 61-6A013     | —                                 |
| 1"     | 61-6A013-1   | .750 - .875   | 3PM514                        | —            | —                                 |
| 1 1/4" | 61-6A013-114 | .875 - 1.000  | 3PM516                        | —            | —                                 |
|        |              | 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 167-168.

• For a guideline of NPT sizes based on cable ranges, see DSN3 on pg 26.

## 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                    |

## Junction Boxes



| NPT    | Metal Box | Metal Box with Nylon Angle | Poly* Conduit Entry |
|--------|-----------|----------------------------|---------------------|
| 1/2"   | MB312     | 61-6A053-080-12            | 61-6A023-12         |
| 3/4"   | MB334     | 61-6A053-080-34            | 61-6A023-34         |
| 1"     | MB31      | 61-6A053-080-1             | 61-6A023-1          |
| 1 1/4" | MB3114    | 61-6A053-080-114           | —                   |

\* For poly devices only

## Miscellaneous Accessories



Set of Two (2)



For Male Devices Only



For Male Devices Only



| Finger Drawplates | Protective Cap | Padlockable Plug Cap | Cord Grip w/Mesh |
|-------------------|----------------|----------------------|------------------|
| 61-6A346          | 61-6A126       | 61-6A826             | see pgs 167-168  |

## Accessory Spotlight

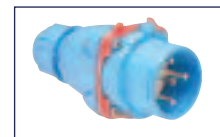
### Finger Drawplates



Finger drawplates are 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