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 latched to the receptacle or as soon as the receptacle lid is closed.

Main Advantages

- Switch & Hp rated
- 100 kA short circuit rated*
- Type 4X, IP66/67
- Compact, lightweight design
- Up to 6 auxiliary contacts

* See note under General Ratings on the next page.

Highlighted Advantage

Simplify Compliance to NFPA 70E & CSA Z462

See pgs 19-20 for more information
**Typical Device Labels**

Meltric DSN30

30A, TYPE 4X

10 HP, 480VAC

63-34043

SWITCH-RATED RECEPTACLE/CONNECTOR

MOTOR CIRCUIT DISCONNECT SWITCH

BRANCH CIRCUIT DISCONNECT SWITCH

LISTED 49B608L1

**Highlighted Feature**

DSN Decontactors are UL & CSA rated for “motor circuit” and “branch circuit” disconnect switching – up to 75 hp and up to 150A

<table>
<thead>
<tr>
<th>Category</th>
<th>UL</th>
<th>CSA</th>
<th>IEC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plugs and Receptacles</td>
<td>UL 1682</td>
<td>C22.2 No. 182.1</td>
<td>60309-1</td>
</tr>
<tr>
<td>Branch Circuit Disconnect Switching (AC only)</td>
<td>UL Subject 2682 (Performance tests from UL 98)</td>
<td>UL Subject 2682</td>
<td>60947-3, AC22, AC23</td>
</tr>
<tr>
<td>Motor Circuit Disconnect Switching (AC only)</td>
<td>UL Subject 2682 (Performance tests from UL 508)</td>
<td>UL Subject 2682</td>
<td></td>
</tr>
</tbody>
</table>

**Operating Instructions**

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

Pressing the pawl causes the DECONTACTOR 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Rotating the ‘dead’ plug 30° counterclockwise closes the safety shutter and frees the plug to be withdrawn from the receptacle.

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

**General Ratings**

- **Amperage**: 20 to 150A
- **Voltage**: 600 VAC
- **Frequency**: 50–400 Hz
- **Horsepower**: 1/2 to 75 hp
- **Short-Circuit (Make & Withstand)**: 100kA*
- **Environmental**: Type 4X, IP66+IP67
- **Temperature**: min -40°F/max 140°F

* 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.
**DSN20**

**DECONTACTOR™ – 20A**

**Switch-Rated Plugs & Receptacles**

### Ratings

- **Voltage**
  - 600 VAC

- **Switch-Rating (AC Only)**
  - Branch Circuit & Motor Circuit Disconnect Switching

- **Horsepower Ratings**
  - 1Ø 1/2 hp
  - 1Ø 1 1/2 hp
  - 3Ø 2 hp
  - 3Ø 2 hp
  - 3Ø 5 hp
  - 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, IP66+IP67

- **Temperature Range**
  - Min -40°F/Max 140°F
  - See pg 228 for temps below -15°F.

- **Wiring Capacity**
  - Min 14 AWG Max 12 AWG

- **Listings**
  - UL, CSA, IEC, CE*
  - Contact Customer Service

### Main Options

- **Mushroom Pawl**
- **Padlock Pawl**
- **Closed Lid Configuration**

- **Abs recommended for cord applications to keep lid tucked in to avoid damage.**

### Receptacle Options

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Polarity</th>
<th>Part #</th>
<th>Poly</th>
</tr>
</thead>
<tbody>
<tr>
<td>120V</td>
<td>1P+N+G</td>
<td>63-14165</td>
<td></td>
</tr>
<tr>
<td>208V</td>
<td>1P+N+G</td>
<td>63-14167</td>
<td></td>
</tr>
<tr>
<td>208V</td>
<td>2P+N+G</td>
<td>63-14147</td>
<td></td>
</tr>
<tr>
<td>250V</td>
<td>3P+N+G</td>
<td>63-14047</td>
<td></td>
</tr>
<tr>
<td>480V</td>
<td>3P+N+G</td>
<td>63-14043</td>
<td></td>
</tr>
<tr>
<td>600V</td>
<td>3P+N+G</td>
<td>63-14143</td>
<td></td>
</tr>
</tbody>
</table>

### Inlet Options

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Polarity</th>
<th>Part #</th>
<th>Poly</th>
</tr>
</thead>
<tbody>
<tr>
<td>120V</td>
<td>1P+N+G</td>
<td>63-18165</td>
<td></td>
</tr>
<tr>
<td>208V</td>
<td>1P+N+G</td>
<td>63-18167</td>
<td></td>
</tr>
<tr>
<td>208V</td>
<td>2P+N+G</td>
<td>63-18073</td>
<td></td>
</tr>
<tr>
<td>250V</td>
<td>3P+N+G</td>
<td>63-18073</td>
<td></td>
</tr>
<tr>
<td>277V</td>
<td>3P+N+G</td>
<td>63-18045</td>
<td></td>
</tr>
<tr>
<td>480V</td>
<td>3P+N+G</td>
<td>63-18047</td>
<td></td>
</tr>
<tr>
<td>600V</td>
<td>3P+N+G</td>
<td>63-18142</td>
<td></td>
</tr>
</tbody>
</table>

### How to Order

**DSN20 Order Example:**

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

**DSN20 Receptacle 3P+G- 63-14043-843**

Appropriate accessory numbers must also be included on the order.

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

Don’t forget to add installation accessories to your order.

For international configurations (CE) visit meltric.com/international-catalog or contact customer service at 800.433.7642.

---

See pgs 205-214 for detailed information on these options.
Installation Accessories

Handles

<table>
<thead>
<tr>
<th>NPT</th>
<th>Poly Handle</th>
<th>Cable Range</th>
<th>Nylon Handle</th>
<th>Extended Handle</th>
<th>Angled Handle</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2&quot;</td>
<td>61-1A013-12</td>
<td>.20 - .82</td>
<td>–</td>
<td>61-1A413</td>
<td>–</td>
</tr>
<tr>
<td>3/4&quot;</td>
<td>61-1A013-34</td>
<td>.35 - .70</td>
<td>61-1A013</td>
<td>–</td>
<td>61-1A313</td>
</tr>
<tr>
<td>1&quot;</td>
<td>61-1A013-1</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
</tbody>
</table>

Notes: • Finger draw plates are recommended for easier connector closure on cord to cord assemblies.

Angles

| Metal 45° | Nylon 30° | Metal 30° | Metal Straight |
| Angle for MB Box | Angle for FS Box | 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

<table>
<thead>
<tr>
<th>NPT</th>
<th>Metal Box</th>
<th>Metal Box with Nylon Angle</th>
<th>Poly* Conduit Entry</th>
<th>Poly 70° Wall Box</th>
<th>Poly 70° Alum Wall Box</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2&quot;</td>
<td>MB312</td>
<td>61-1A053-080-12</td>
<td>61-1A023-12</td>
<td>51-AA058</td>
<td>59-AA058-12</td>
</tr>
<tr>
<td>3/4&quot;</td>
<td>MB334</td>
<td>61-1A053-080-34</td>
<td>61-1A023-34</td>
<td>51-AA058</td>
<td>59-AA058-34</td>
</tr>
<tr>
<td>1&quot;</td>
<td>MB31</td>
<td>61-1A053-080-1</td>
<td>–</td>
<td>51-AA058</td>
<td>59-AA058-1</td>
</tr>
<tr>
<td>1 1/4&quot;</td>
<td>MB3114</td>
<td>61-1A053-080-114</td>
<td>–</td>
<td>51-AA058</td>
<td>59-AA058-114</td>
</tr>
<tr>
<td>1 1/2&quot;</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>59-AA058-112</td>
</tr>
</tbody>
</table>

* For poly devices only.
** 70° poly boxes are not drilled. Contact customer service if factory drilling is required.
*** Interior volume with receptacle installed.

Miscellaneous Accessories

<table>
<thead>
<tr>
<th>Finger Drawplates</th>
<th>Protective Cap</th>
<th>Padlockable Plug Cap</th>
<th>Screwdriver for Terminal Screws</th>
<th>Easy Retrofit Adapter Plates</th>
<th>Receptacle Locking Pin</th>
</tr>
</thead>
<tbody>
<tr>
<td>61-1A346</td>
<td>61-1A426</td>
<td>61-1AB26</td>
<td>SD18**</td>
<td>see pg 167</td>
<td>LP-843</td>
</tr>
</tbody>
</table>

* Recommended for cord to cord assembly applications, for easier connector closure.
** 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
DECONTACTOR™ – 30A
Switch-Rated Plugs & Receptacles

Ratings

- Voltage
  600 VAC
- Switch-Rating (AC Only)
  Branch Circuit & Motor Circuit Disconnect Switching
- Horsepower Ratings
  
<table>
<thead>
<tr>
<th>Voltage</th>
<th>Polarity</th>
<th>Part #</th>
</tr>
</thead>
<tbody>
<tr>
<td>120V</td>
<td>1P+N+G</td>
<td>63-34165</td>
</tr>
<tr>
<td>208V</td>
<td>3P+N+G</td>
<td>63-34167</td>
</tr>
<tr>
<td>208V</td>
<td>1P+N+G</td>
<td>63-34075</td>
</tr>
<tr>
<td>208V</td>
<td>2P+N+G</td>
<td>63-34076</td>
</tr>
<tr>
<td>250V</td>
<td>2P+G</td>
<td>63-34072</td>
</tr>
<tr>
<td>250V</td>
<td>3P+G</td>
<td>63-34073</td>
</tr>
<tr>
<td>277V</td>
<td>1P+N+G</td>
<td>63-34045</td>
</tr>
<tr>
<td>277V</td>
<td>3P+N+G</td>
<td>63-34047</td>
</tr>
<tr>
<td>277V</td>
<td>3P+N+G</td>
<td>63-34147</td>
</tr>
<tr>
<td>480V</td>
<td>2P+G</td>
<td>63-34042</td>
</tr>
<tr>
<td>600V</td>
<td>3P+G</td>
<td>63-34043</td>
</tr>
<tr>
<td>600V</td>
<td>3P+G</td>
<td>63-34142</td>
</tr>
<tr>
<td>600V</td>
<td>3P+G</td>
<td>63-34143</td>
</tr>
</tbody>
</table>

- 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, IP66+IP67
- Temperature Range
  Min -40°F/Max 140°F
  See pg 228 for temps below -15°F.
- Wiring Capacity
  Min 14 AWG Max 8 AWG
  Aux Contacts - 14 AWG
- Listings
  UL, CSA, IEC, CE*
  * Contact Customer Service

Main Options

- Auxiliary/Pilot Contacts
- Mushroom Pawl
- Padlock Pawl
- Closed Lid Configuration

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

DSN30 Order Example:
To order 2 auxiliary contacts on an inlet and receptacle:
  1. Add -972 to the part numbers.
  2. DSN30 Inlet 3P+G – 63-38043-972
  3. DSN30 Receptacle 3P+G – 63-34045-972

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)

For international configurations (CE) visit meltric.com/international-catalog or contact customer service at 800.433.7642.
Installation Accessories

Handles

<table>
<thead>
<tr>
<th>NPT</th>
<th>Poly Handle</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2&quot;</td>
<td>61-3A013-12</td>
</tr>
<tr>
<td>3/4&quot;</td>
<td>61-3A013-34</td>
</tr>
<tr>
<td>1&quot;</td>
<td>61-3A013-1</td>
</tr>
<tr>
<td>1 1/4&quot;</td>
<td>61-3A013-114</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Cable Range</th>
<th>NPT Handle</th>
<th>Poly Handle w/Clamp &amp; Bushing</th>
</tr>
</thead>
<tbody>
<tr>
<td>.20 - .82</td>
<td>.20 - .82</td>
<td>61-3A013</td>
</tr>
<tr>
<td>.750 - .875</td>
<td>–</td>
<td>1PM514</td>
</tr>
<tr>
<td>.875 - 1.000</td>
<td>–</td>
<td>1PM516</td>
</tr>
<tr>
<td>1.000 - 1.125</td>
<td>–</td>
<td>1PM518</td>
</tr>
<tr>
<td>1.125 - 1.250</td>
<td>–</td>
<td>1PM520</td>
</tr>
<tr>
<td>1.250 - 1.375</td>
<td>–</td>
<td>1PM522</td>
</tr>
</tbody>
</table>

Notes:
- Finger draw plates are recommended for easier connector closure on cord to cord assemblies.
- For available cord grips, see pgs 171-172.

Angles

<table>
<thead>
<tr>
<th>Nylon 30° Angle</th>
<th>Metal 30° Angle</th>
<th>Metal Angle FS/FD Box 30°</th>
<th>Metal Straight Adapter</th>
</tr>
</thead>
<tbody>
<tr>
<td>61-3A027</td>
<td>MA2</td>
<td>MAF52*</td>
<td>MS2</td>
</tr>
</tbody>
</table>

* MAF52 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

<table>
<thead>
<tr>
<th>NPT</th>
<th>Metal Box</th>
<th>Metal Box with Nylon Angle</th>
<th>Poly+ Conduit Entry</th>
<th>Poly 70†*** Wall Box</th>
<th>Poly 70° Alum Wall Box</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2&quot;</td>
<td>MB312</td>
<td>61-3A053-080-12</td>
<td>61-3A023-12</td>
<td>51-BA058</td>
<td>59-BA058-12</td>
</tr>
<tr>
<td>3/4&quot;</td>
<td>MB334</td>
<td>61-3A053-080-34</td>
<td>61-3A023-34</td>
<td>51-BA058</td>
<td>59-BA058-34</td>
</tr>
<tr>
<td>1&quot;</td>
<td>MB311</td>
<td>61-3A053-080-1</td>
<td>–</td>
<td>51-BA058</td>
<td>59-BA058-1</td>
</tr>
<tr>
<td>1 1/4&quot;</td>
<td>MB3114</td>
<td>61-3A053-080-114</td>
<td>–</td>
<td>51-BA058</td>
<td>59-BA058-114</td>
</tr>
<tr>
<td>1 1/2&quot;</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
</tbody>
</table>

* For poly devices only.
** 70° poly boxes are not drilled. Contact customer service if factory drilling is required.
+ Interior volume with receptacle installed.
†† Poly 70° wall boxes are not drilled. Contact customer service if factory drilling is required.
† Poly 70° wall boxes are not drilled. Contact customer service if factory drilling is required.

Miscellaneous Accessories

<table>
<thead>
<tr>
<th>Finger Drawplates</th>
<th>Protective Cap</th>
<th>Padlockable Plug Cap</th>
<th>Screwdriver for Terminal Screws</th>
<th>Easy Retrofit Adapter Plates</th>
<th>Receptacle+ Locking Pin</th>
</tr>
</thead>
<tbody>
<tr>
<td>61-3A346</td>
<td>61-3A426</td>
<td>61-3A826</td>
<td>SD18**</td>
<td>see pg 167</td>
<td>LP-843</td>
</tr>
</tbody>
</table>

* Recommended for cord to cord assembly applications, for easier connector closure.
** Requires Padlockable Pawl option (-843) on receptacle.
++ Klein 608-3 1/8" cabinet tip screwdriver with 3” round shank.

NPT Guidelines

<table>
<thead>
<tr>
<th>Cable Range</th>
<th>NPT</th>
</tr>
</thead>
<tbody>
<tr>
<td>.312 - .625</td>
<td>1/2&quot;</td>
</tr>
<tr>
<td>.438 - .812</td>
<td>3/4&quot;</td>
</tr>
<tr>
<td>.660 - 1.000</td>
<td>1&quot;</td>
</tr>
<tr>
<td>.875 - 1.375</td>
<td>1 1/4&quot;</td>
</tr>
</tbody>
</table>

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

Accessory Spotlight

Receptacle Locking Pin

A 5/16” locking pin can be ordered to securely lockout receptacles that include the ‘padlockable pawl’ option. Alternatively the user can 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

DECONTACTOR™ – 60A
Switch-Rated Plugs & Receptacles

Ratings

- **Voltage**: 600 VAC
- **Switch-Rating (AC Only)**: Branch Circuit & Motor Circuit Disconnect Switching
- **Horsepower Ratings**:
  - 120V: 10 2 hp
  - 277V: 10 3 hp
  - 240V: 30 7 1/2 hp
  - 480V: 30 20 hp
- **Short Circuit Rating**: 100kA Close & Withstand 400% of the highest full load motor ampacity associated with the devices hp rating.
- **Environmental Ratings**: Type 4X, IP66+IP67
- **Temperature Range**: Min -40°F/Max 140°F See pg 228 for temps below -15°F.
- **Wiring Capacity**: Min 12 AWG Max 4 AWG Aux Contacts - Max 14 AWG
- **Listings**: UL, CSA, IEC, CE* * Contact Customer Service

Main Options

- **Auxiliary/Pilot Contacts**
- **Mushroom Pawl**
- **Padlock Pawl**
- **Closed Lid Configuration**

For international configurations (CE) visit meltric.com/international-catalog or contact customer service at 800.433.7642.

Inlet (male)

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Polarity</th>
<th>Part # Poly</th>
</tr>
</thead>
<tbody>
<tr>
<td>120V</td>
<td>1P+N+G</td>
<td>63-64165</td>
</tr>
<tr>
<td>208V</td>
<td>3P+N+G</td>
<td>63-64167</td>
</tr>
<tr>
<td>277V</td>
<td>3P+N+G</td>
<td>63-64405</td>
</tr>
<tr>
<td>208V</td>
<td>2P+N+G</td>
<td>63-64076</td>
</tr>
<tr>
<td>240V</td>
<td>2P+N+G</td>
<td>63-64072</td>
</tr>
<tr>
<td>480V</td>
<td>2P+N+G</td>
<td>63-64045</td>
</tr>
<tr>
<td>600V</td>
<td>3P+N+G</td>
<td>63-64047</td>
</tr>
<tr>
<td>480V</td>
<td>3P+N+G</td>
<td>63-64147</td>
</tr>
<tr>
<td>600V</td>
<td>2P+N+G</td>
<td>63-64042</td>
</tr>
<tr>
<td>480V</td>
<td>3P+N+G</td>
<td>63-64043</td>
</tr>
<tr>
<td>600V</td>
<td>2P+N+G</td>
<td>63-64142</td>
</tr>
<tr>
<td>600V</td>
<td>3P+N+G</td>
<td>63-64143</td>
</tr>
</tbody>
</table>

Receptacle Options

- **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

**DSN60 Order Example:**
To order 2 auxiliary contacts on an inlet and receptacle add -972 to the part numbers:
- DSN60 Inlet 3P+G – 63-68165-972
- DSN60 Receptacle 3P+G – 63-64043-972

How to Order

Receptacle and Inlet (see above)

Accessories

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

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

See pgs 205-214 for detailed information on these options.
Installation Accessories

<table>
<thead>
<tr>
<th>NPT</th>
<th>Poly Handle</th>
<th>Cable Range</th>
<th>Nylon Handle</th>
<th>Poly Handle w/Clamp &amp; Bushing</th>
<th>Poly Handle w/built in Draw Grips</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2&quot;</td>
<td>61-6A013-12</td>
<td>.39 - 1.18</td>
<td>61-6A013</td>
<td>-</td>
<td>61-6A473</td>
</tr>
<tr>
<td>3/4&quot;</td>
<td>61-6A013-34</td>
<td>.750 - .875</td>
<td>-</td>
<td>3PM514</td>
<td>-</td>
</tr>
<tr>
<td>1&quot;</td>
<td>61-6A013-1</td>
<td>.875 - 1.000</td>
<td>-</td>
<td>3PM516</td>
<td>-</td>
</tr>
<tr>
<td>1 1/4&quot;</td>
<td>61-6A013-114</td>
<td>1.000 - 1.125</td>
<td>-</td>
<td>3PM518</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1.125 - 1.250</td>
<td>-</td>
<td>3PM520</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1.250 - 1.375</td>
<td>-</td>
<td>3PM522</td>
<td>-</td>
</tr>
</tbody>
</table>

**Notes:**
- Finger draw plates are recommended for easier connector closure on cord to cord assemblies.
- For available cord grips, see pgs 171-172.
- For a guideline of NPT sizes based on cable ranges, see DSN60 on pg 28.

**Angles**

<table>
<thead>
<tr>
<th>Nylon 30° Angle</th>
<th>Metal 30° Angle</th>
<th>Metal 70° Angle</th>
<th>Metal Angle FS/FD Box 30°</th>
<th>Metal Straight Adapter</th>
</tr>
</thead>
<tbody>
<tr>
<td>61-6A027</td>
<td>MA3</td>
<td>89-3A027</td>
<td>MAF53*</td>
<td>MS3</td>
</tr>
</tbody>
</table>

* MAF53 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**

<table>
<thead>
<tr>
<th>NPT</th>
<th>Metal Box</th>
<th>Metal Box with Nylon Angle</th>
<th>Poly+ Conduit Entry</th>
<th>Poly 70*** Wall Box</th>
<th>Poly 70° Alum Wall Box</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2&quot;</td>
<td>MB312</td>
<td>61-6A053-080-12</td>
<td>61-6A023-12</td>
<td>51-CA058</td>
<td>59-CA058-12</td>
</tr>
<tr>
<td>3/4&quot;</td>
<td>MB334</td>
<td>61-6A053-080-34</td>
<td>61-6A023-34</td>
<td>51-CA058</td>
<td>59-CA058-34</td>
</tr>
<tr>
<td>1&quot;</td>
<td>MB311</td>
<td>61-6A053-080-1</td>
<td>61-6A023-1</td>
<td>51-CA058</td>
<td>59-CA058-1</td>
</tr>
<tr>
<td>1 1/4&quot;</td>
<td>MB3114</td>
<td>61-6A053-080-114</td>
<td></td>
<td>51-CA058</td>
<td>59-CA058-114</td>
</tr>
<tr>
<td>1 1/2&quot;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>59-CA058-112</td>
</tr>
</tbody>
</table>

* For poly devices only.
** 70° poly boxes are not drilled. Contact customer service if factory drilling is required.
* Interior volume with receptacle installed.

**Miscellaneous Accessories**

<table>
<thead>
<tr>
<th>Finger Drawplates</th>
<th>Protective Cap</th>
<th>Padlockable Plug Cap</th>
<th>Cord Grip with Mesh</th>
<th>Easy Retrofit Adapter Plates</th>
<th>Receptacle Locking Pin</th>
</tr>
</thead>
<tbody>
<tr>
<td>61-6A346</td>
<td>61-6A426</td>
<td>61-6A826</td>
<td>see pgs 171-172</td>
<td>see pg 167</td>
<td>LP-843</td>
</tr>
</tbody>
</table>

* 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 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
**DECONTACTOR™ – 150A**  
Switch-Rated Plugs & Receptacles

### Ratings
- **Voltage**
  - 600 VAC
- **Switch-Rating (AC Only)**
  - Branch Circuit & Motor Circuit Disconnect Switching
- **Horsepower Ratings**
  - 1Ø 7 1/2 hp
  - 1Ø 20 hp
  - 3Ø 30 hp
  - 3Ø 75 hp
  - 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, IP66 + IP67

### Temperature Range
- Min -40°F/Max 140°F
  - See pg 228 for temps below -15°F.

### Wiring Capacity
- Min 4 AWG Max 2/0 AWG

### Listings
- UL, CSA, IEC, CE*
  - * Contact Customer Service

### Main Options
- **Auxiliary/Pilot Contacts**
- **Mushroom Pawl**
- **Padlock Pawl**
- **Closed Lid Configuration**

### Inlet Options
- **With 2 Auxiliary/Pilot Contacts**
- **With 3 Auxiliary/Pilot Contacts**
- **With 4 Auxiliary/Pilot Contacts**
- **With 5 Auxiliary/Pilot Contacts**
- **With 6 Auxiliary/Pilot Contacts**
- **Self-Ejecting Plug Release**
- **With No Lockout Hole**

### Receptacle Options
- **With 2 Auxiliary/Pilot Contacts**
- **With 3 Auxiliary/Pilot Contacts**
- **With 4 Auxiliary/Pilot Contacts**
- **With 5 Auxiliary/Pilot Contacts**
- **Straight Insertion**
- **Self-Ejecting Connector Release**
- **Mushroom Pawl**
- **Padlock Pawl**
- **Padlockable Mushroom Pawl**
- **Locking Mushroom Pawl**
- **Metal Pawl (on poly receptacle)**
- **180° Opening Lid**
- **Closed Lid Configuration**

### 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
- **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 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

### Notes:*
- Note with P+N+G configuration and receptacle with P+G configuration.

### 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 - 63-98165-262**
- **DSN150 Poly receptacle 3P+G - 63-94165-262**

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.
Installation Accessories

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

Handles

<table>
<thead>
<tr>
<th>NPT</th>
<th>Poly Handle</th>
<th>Metal Handle</th>
<th>Oversized Handle</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/4&quot;</td>
<td>9PH34</td>
<td>9H34</td>
<td>9MH34</td>
</tr>
<tr>
<td>1&quot;</td>
<td>9PH11</td>
<td>9H1</td>
<td>9MH1</td>
</tr>
<tr>
<td>1 1/4&quot;</td>
<td>9PH114</td>
<td>9H114</td>
<td>9MH114</td>
</tr>
<tr>
<td>1 1/2&quot;</td>
<td>9PH114</td>
<td>9H112</td>
<td>9MH112</td>
</tr>
<tr>
<td>2&quot;</td>
<td>9PH2</td>
<td>9H2</td>
<td>9MH2</td>
</tr>
<tr>
<td>2 1/2&quot;</td>
<td>–</td>
<td>–</td>
<td>9MH212</td>
</tr>
</tbody>
</table>

Cable Range  Santoprene™ Handle Poly Handle w/Clamp & Bushing
.70 - 1.00  65-9A013-D25 –
.94 - 1.377  65-9A013-D35 –
1.25 - 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:
• Finger draw plates are recommended for easier connector closure on cord to cord assemblies.
• For available cord grips, see pgs 171-172.
• For metal devices only.

Angles

<table>
<thead>
<tr>
<th>Nylon 30° Angle</th>
<th>Metal 30° Angle</th>
<th>Metal 70° Angle</th>
<th>Metal Angle Oversized 30°</th>
<th>Metal Straight Adapter</th>
</tr>
</thead>
<tbody>
<tr>
<td>MP10</td>
<td>MA10</td>
<td>89-9A027</td>
<td>MA110</td>
<td>MS10</td>
</tr>
</tbody>
</table>

Junction Boxes

<table>
<thead>
<tr>
<th>NPT</th>
<th>Metal Box</th>
<th>Metal Box with Nylon Angle</th>
<th>Metal Box with Metal Angle</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 1/4&quot;</td>
<td>MB10114</td>
<td>31-9A053-080-114</td>
<td>39-9A053-080-114</td>
</tr>
<tr>
<td>1 1/2&quot;</td>
<td>MB10112</td>
<td>31-9A053-080-112</td>
<td>39-9A053-080-112</td>
</tr>
<tr>
<td>2&quot;</td>
<td>MB102</td>
<td>31-9A053-080-2</td>
<td>39-9A053-080-2</td>
</tr>
<tr>
<td>2 1/2&quot;</td>
<td>MB10212</td>
<td>31-9A053-080-212</td>
<td>39-9A053-080-212</td>
</tr>
</tbody>
</table>

Miscellaneous Accessories

<table>
<thead>
<tr>
<th>Protective Cap</th>
<th>Padlockable Cap Aluminum</th>
<th>Cord Grip with Mesh</th>
<th>Easy Retrofit Adapter Plates</th>
<th>Receptacle + Locking Pin</th>
</tr>
</thead>
<tbody>
<tr>
<td>31-9A126</td>
<td>DS9MC</td>
<td>see pgs 171-172</td>
<td>see pg 167</td>
<td>LP-843</td>
</tr>
</tbody>
</table>

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

Features:
• Requires Padlockable Pawl option (-843) on 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 + 65-9A013-D25

Female Receptacle with Angle Adapter
63-94043 + MA10

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.