

# DS60 Switch-Rated Plugs & Receptacles – 60 A

## UL/CSA Ratings

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

|      |    |       |
|------|----|-------|
| 120V | 1Ø | 3 hp  |
| 240V | 1Ø | 5 hp  |
| 208V | 3Ø | 10 hp |
| 240V | 3Ø | 10 hp |
| 480V | 3Ø | 25 hp |
| 600V | 3Ø | 25 hp |
- **Short Circuit Rating** 100kA  
Close & Withstand Tested with  
RK1 current limiting fuses sized at  
400% of the highest full load motor  
ampacity.
- **Environmental Ratings**  
Type 3R (Standard)  
Type 4X (Optional)
- **Temperature Range**  
Min -40°F/Max 140°F  
See pg 258 for temps below -15°F.
- **Wiring Capacity**  
Min 10 AWG Max 2 AWG  
Aux Contacts - Max 14 AWG  
Based on THHN wire sizes
- **Certifications**  
UL 2682, UL 1682, CSA 182.1

## Receptacle (female)



## Inlet (male)



**!** Don't forget to add installation accessories to your order

## North American UL/CSA Configurations

| Voltage  | Polarity | Part #   |          | Part #   |          |
|----------|----------|----------|----------|----------|----------|
|          |          | Poly     | Metal    | Poly     | Metal    |
| 120V     | 1P+N+G   | 33-64165 | 37-64165 | 33-68165 | 37-68165 |
| 120 208V | 3P+N+G   | 33-64167 | 37-64167 | 33-68167 | 37-68167 |
| 125V     | 1P+N+G   | 33-64075 | 37-64075 | 33-68075 | 37-68075 |
| 125 250V | 2P+N+G   | 33-64076 | 37-64076 | 33-68076 | 37-68076 |
| 208V     | 2P+G     | 33-64162 | 37-64162 | 33-68162 | 37-68162 |
| 208V     | 3P+G     | 33-64163 | 37-64163 | 33-68163 | 37-68163 |
| 250V     | 2P+G     | 33-64072 | 37-64072 | 33-68072 | 37-68072 |
| 250V     | 3P+G     | 33-64073 | 37-64073 | 33-68073 | 37-68073 |
| 277V     | 1P+N+G   | 33-64045 | 37-64045 | 33-68045 | 37-68045 |
| 277 480V | 3P+N+G   | 33-64047 | 37-64047 | 33-68047 | 37-68047 |
| 347 600V | 3P+N+G   | 33-64147 | 37-64147 | 33-68147 | 37-68147 |
| 480V     | 2P+G     | 33-64042 | 37-64042 | 33-68042 | 37-68042 |
| 480V     | 3P+G     | 33-64043 | 37-64043 | 33-68043 | 37-68043 |
| 600V     | 2P+G     | 33-64142 | 37-64142 | 33-68142 | 37-68142 |
| 600V     | 3P+G     | 33-64143 | 37-64143 | 33-68143 | 37-68143 |

## Main Options



**Auxiliary/Pilot Contacts**



**Mushroom Pawl**



**Padlock Pawl**



**Closed Lid Configuration**

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

## Receptacle Options

## Suffix #

## Inlet Options

## Suffix #

- With 2 Auxiliary/Pilot Contacts
- With 3 Auxiliary/Pilot Contacts
- With 4 Auxiliary/Pilot Contacts
- Type 4X & Closed Lid Configuration
- Straight Insertion
- Self-Ejecting Connector Release
- Mushroom Pawl
- Padlock Pawl
- Padlockable Mushroom Pawl
- Screw-Type Locking Pawl
- Metal Pawl (on Poly Receptacle)
- Closed Lid Configuration
- With Auxiliary Switch
- 180° Opening Lid (metal only)

- Recept # - 972**
- Recept # - 263**
- Recept # - 264**
- Recept # - 4X**
- Recept # - 352**
- Recept # - 354**
- Recept # - 375**
- Recept # - 843**
- Recept # - 375-843**
- Recept # - 845**
- Recept # - 824**
- Recept # - NC**
- Recept # - 270+**
- Recept # - 180++**

- With 2 Auxiliary/Pilot Contacts
- With 3 Auxiliary/Pilot Contacts
- With 4 Auxiliary/Pilot Contacts
- Type 4X Watertightness
- Self-Ejecting Plug Release
- With No Lockout Hole
- For Auxiliary Switch

- Inlet # - 972**
- Inlet # - 263**
- Inlet # - 264**
- Inlet # - 4X**
- Inlet # - 338**
- Inlet # - A155**
- Inlet # - NNF\***

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






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

**Notes:** \* Not UL/CSA listed.  
++ Required when mating to rigid mounted male inlet.

# INSTALLATION ACCESSORIES – SIZE 4


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


## HANDLES

| HANDLE w/NPT   | Part # Poly     | Part # Metal    |
|--|-----------------|-----------------|
|  1/2"   | <b>514P0N05</b> | <b>594P0N05</b> |
|  3/4"   | <b>514P0N07</b> | <b>594P0N07</b> |
|  1"     | <b>514P0N10</b> | <b>594P0N10</b> |
|  1 1/4" | <b>514P0N12</b> | <b>594P0N12</b> |
|  1 1/2" | <b>514P0N15</b> | <b>594P0N15</b> |

For metal devices only


For available cord grips, see page 167.


| POLY HANDLE w/CORD GRIP   | Cable Range    | Part #          |
|---|----------------|-----------------|
|  | .680 - .980"   | <b>714P0DP4</b> |
|   | .980 - 1.260"  | <b>714P0EP4</b> |
|   | 1.260 - 1.560" | <b>714P0FP1</b> |

| METAL HANDLE w/CORD GRIP  | Cable Range    | Part #           |
|---|----------------|------------------|
|  | .750 - .875"   | <b>794P0DS1</b>  |
|   | .875 - 1.000"  | <b>794P0DS3</b>  |
|   | 1.000 - 1.125" | <b>794P0ES2</b>  |
|   | 1.250 - 1.375" | <b>794P0FS1</b>  |
|   | 1.438 - 1.562" | <b>794P0FS2*</b> |
|   | 1.562 - 1.688" | <b>794P0FS3*</b> |


For metal devices only

\*May require stripping of cable jacket.








| POLY HANDLE  | Cable Range | Part #          |
|--|-------------|-----------------|
|  | .51 - 1.38" | <b>514P0D35</b> |

| POLY HANDLE w/BUILT IN DRAW GRIPS   | Cable Range | Part #             |
|---|-------------|--------------------|
|  | .51 - 1.38" | <b>514P0D35473</b> |

Makes connector closures easier.

| POLY HANDLE w/CLAMP & BUSHING   | Cable Range    | Part #          |
|---|----------------|-----------------|
|  | 1.250 - 1.375" | <b>714P0S22</b> |
|   | 1.438 - 1.562" | <b>714P0S25</b> |
|   | 1.562 - 1.688" | <b>714P0S27</b> |
|   | 1.688 - 1.812" | <b>714P0S29</b> |

## ANGLES

| POLY ANGLE  |               |        |   |
|---|---------------|--------|---|
|  | 30°           | 514M3  |  |
|   |               |        | 514M7<br>Panel mounting only.   |
| METAL ANGLE   |               |        |   |
|  | 0°            | 594M0  |   |
|  | 30°           | 594M3  |   |
|  | 30°           | 794M3L |   |
|  | Oversized 30° | 794M3  | Mounts on oversize box only. Order with 7T5F0Nxx. See pg 50.                        |
|  | 70°           | 594M7  |   |

## BOXES






| POLY CONDUIT ENTRY w/NPT  | Angle | Size   | Part #          | Notes  |
|---|-------|--------|-----------------|--|
|  30° | 30°   | 1/2"   | <b>514B3N05</b> | For poly devices only                        |
|  30° | 30°   | 3/4"   | <b>514B3N07</b> |  |
|  30° | 30°   | 1"     | <b>514B3N10</b> | * Interior volume with receptacle installed. |
|  30° | 30°   | 1 1/4" | <b>514B3N12</b> |  |

\* 27.7 in<sup>3</sup>

| POLY WALL BOX w/ANGLE   | Angle | Part #          | Notes   |
|---|-------|-----------------|---|
|  70° | 70°   | <b>514C7000</b> | 70° poly boxes are not drilled. Contact Customer Service if factory drilling is required. |
|  70° | 70°   | <b>51AA089</b>  | * Interior volume with receptacle installed.  |





\* 181.24 in<sup>3</sup>

Ground Bar

| POLY ANGLE WITH METAL BOX w/NPT   | Angle | Size   | Part #          | Notes  |
|---|-------|--------|-----------------|--|
|  70°   | 70°   | 1/2"   | <b>714C7N05</b> |  |
|  70°   | 70°   | 3/4"   | <b>714C7N07</b> |  |
|  70°  | 70°   | 1"     | <b>714C7N10</b> | * Interior volume with receptacle installed. |
|  70° | 70°   | 1 1/4" | <b>714C7N12</b> |  |
|  70° | 70°   | 1 1/2" | <b>714C7N15</b> |  |

\* 177.7 in<sup>3</sup>


| METAL BOX w/NPT  | Angle | Size   | Part #          |
|--|-------|--------|-----------------|
|  0°  | 0°    | 1"     | <b>7T4F0N10</b> |
|  0° | 0°    | 1 1/4" | <b>7T4F0N12</b> |
|  0° | 0°    | 1 1/2" | <b>7T4F0N15</b> |
|  0° | 0°    | 2"     | <b>7T4F0N20</b> |

| POLY ANGLE WITH METAL BOX w/NPT   | Angle | Size   | Part #          | Notes   |
|---|-------|--------|-----------------|---|
|  30° | 30°   | 1"     | <b>714C3N10</b> | For metal angle, replace "71" prefix with "79". |
|  30° | 30°   | 1 1/4" | <b>714C3N12</b> |   |
|  30° | 30°   | 1 1/2" | <b>714C3N15</b> |   |
|  30° | 30°   | 2"     | <b>714C3N20</b> | * Interior volume with receptacle installed.    |



\* 61.0 in<sup>3</sup> Poly Angle


\* 59.4 in<sup>3</sup> Metal Angle

## MISCELLANEOUS ACCESSORIES


| FINGER DRAWPLATES   | Part #          | Notes   |
|---|-----------------|---|
|  | <b>31-6A346</b> | Set of Two (2)<br>Recommended for cord to cord assembly applications, for easier connector closure. |

| PROTECTIVE INLET/PLUG CAP   | Part #          | Notes                  |
|---|-----------------|------------------------|
|  | <b>31-6A426</b> | For Inlets/Plugs Only. |

| PADLOCKABLE INLET/PLUG CAP  | Part #       | Notes  |
|---|--------------|--|
|  | <b>DS6PC</b> | Poly – For Inlets/Plugs Only.  |
|  | <b>DS6MC</b> | Aluminum – For Inlets/Plugs Only.<br>-A155 suffix required to maintain water ingress protection. |

| SPRING-LOADED PADLOCKABLE INLET/PLUG CAP  | Part #          | Notes                        |
|---|-----------------|------------------------------|
|  | <b>31-6A226</b> | For Poly Inlets/Plugs Only.  |
|   | <b>39-6A226</b> | For Metal Inlets/Plugs Only. |

-A155 suffix required to maintain water ingress protection.

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