

DS30 Hazardous Location - 30 A

SP Ratings

- Max Amperage & Voltage**
30 A, 600 VAC
- Current Interruption Capability**
Not for current interrupting
- Horsepower Ratings**

| | | |
|-------|----|--------|
| 120 V | 1Ø | 1.5 hp |
| 240 V | 1Ø | 3 hp |
| 208 V | 3Ø | 5 hp |
| 240 V | 3Ø | 5 hp |
| 480 V | 3Ø | 15 hp |
| 600 V | 3Ø | 15 hp |
- Short Circuit Rating**
100 kA Withstand
Tested with RK1 current limiting fuses sized at 400% of the highest full load motor ampacity.
- Environmental Ratings**
Type 4X
- Temperature Range**
Min -40°F/Max 104°F
See pg 254 for temperatures outside this range.
- Wiring Capacity**
Based on THHN wire sizes.
Min 14 AWG Max 4 AWG
Aux Contacts - Max 14 AWG
- Applicable Standards**
CSA C22.2 No. 182.1-07
C22.2 No. 213-M1987
- Hazardous Ratings**
Class I, Division 2, Groups ABCD, T6
Class I, Zone 2, IIC

! Devices rated for hazardous locations are not returnable.

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

Receptacle (female)



Inlet (male)



Hazardous Location DS30 lid is Self-Returning

| VOLTAGE | POLARITY | PART # POLY | PART # POLY |
|-----------|----------|----------------|----------------|
| 120 V | 1P+N+G | 35-34165-HAZ | 35-38165-HAZ |
| 120 208 V | 3P+N+G | 35-34167-HAZ | 35-38167-HAZ |
| 125 V | 1P+N+G | 35-34075-HAZ | 35-38075-HAZ |
| 125 250 V | 2P+N+G | 35-34076-HAZ | 35-38076-HAZ |
| 208 V | 2P+G | 35-34162-HAZ | 35-38162-HAZ |
| 208 V | 3P+G | 35-34163-HAZ | 35-38163-HAZ |
| 250 V | 2P+G | 35-34072-HAZ | 35-38072-HAZ |
| 250 V | 3P+G | 35-34073-HAZ | 35-38073-HAZ |
| 277 V | 1P+N+G | 35-34045-HAZ | 35-38045-HAZ |
| 277 480 V | 3P+N+G | 35-34047-HAZ | 35-38047-HAZ |
| 347 600 V | 3P+N+G | 35-34147-HAZ | 35-38147-HAZ |
| 480 V | 2P+G | 35-34042-HAZ | 35-38042-HAZ |
| 480 V | 3P+G | 35-34043-HAZ | 35-38043-HAZ |
| 600 V | 2P+G | 35-34142-HAZ | 35-38142-HAZ |
| 600 V | 3P+G | 35-34143-HAZ | 35-38143-HAZ |

Part Number Example

480 V DS30 + 2 aux contacts

DS30 recept 3P+G = 35-34043-972-HAZ

480 V DS30 with no options

DS30 recept 3P+G = 35-34043-HAZ

| RECEPTACLE OPTIONS | SUFFIX # | INLET OPTIONS | SUFFIX # |
|---------------------------------|---------------|---------------------------------|---------------|
| With 2 Auxiliary/Pilot Contacts | Recept # -972 | With 2 Auxiliary/Pilot Contacts | Inlet # -972 |
| With 3 Auxiliary/Pilot Contacts | Recept # -973 | With 3 Auxiliary/Pilot Contacts | Inlet # -973 |
| With 4 Auxiliary/Pilot Contacts | Recept # -974 | With 4 Auxiliary/Pilot Contacts | Inlet # -974 |
| Normally Open Lid Configuration | Recept # -NO | Without Lockout Hole | Inlet # -A155 |

Feature Spotlight – Screw-Type Locking Pawl



! Listing Requirement
Users must tighten screw to lock the plug in the mated position

Zone 2/Division 2 DS30 receptacles feature a standard screw-type locking pawl. This required feature allows the user to lock the plug to the receptacle by tightening a screw on the pawl.

For added security, a lockout hole is included on the receptacle that enables the user to insert a 5/16" lock or locking pin to prevent the plug from being disconnected or to lock the receptacle lid closed.

5/16" hole for added security



! See pages 231-240 for detailed information on these options




INSTALLATION ACCESSORIES – SIZE 3

When properly installed, all accessories meet or exceed the environmental ratings of the devices they are mounted to; unless otherwise noted.

HANDLES

| HANDLE WITH NPT | | PART # POLY | PART # METAL |
|---|--------|-------------|--------------|
|  | 1/2" | 553P0N05 | 5K3P0N05 |
| | 3/4" | 553P0N07 | 5K3P0N07 |
|  | 1" | 553P0N10 | 5K3P0N10 |
| | 1 1/4" | 553P0N12 | 5K3P0N12 |


For available cord grips, see pg 160.

| POLY HANDLE WITH CABLE RANGE | | |
|---|-------------|----------|
|  | .390-1.180" | 553P0D30 |


ANGLES

| POLY ANGLE | | |
|---|-----|-------|
|  | 30° | 553M3 |
| METAL ANGLE | | |
|  | 0° | 5K3M0 |
|  | 30° | 5K3M3 |
|  | 70° | 5K3M7 |


BOXES

| POLY ANGLE WITH METAL BOX WITH NPT | | | | PART # |
|---|------------------------|------|--------|----------|
|  | 30° | 1/2" | | 753C3N05 |
| | 30° | 3/4" | | 753C3N07 |
| | 30° | 1" | | 753C3N10 |
| | * 29.6 in ³ | 30° | 1 1/4" | |


* Interior volume with receptacle installed.

| METAL ANGLE WITH METAL BOX WITH NPT | | | | PART # |
|---|------------------------|------|--------|----------|
|  | 30° | 1/2" | | 7K3C3N05 |
| | 30° | 3/4" | | 7K3C3N07 |
| | 30° | 1" | | 7K3C3N10 |
| | * 29.6 in ³ | 30° | 1 1/4" | |

* Interior volume with receptacle installed.

| POLY ANGLE WITH LARGER METAL BOX WITH NPT | | | | PART # | |
|---|-------------------------|------|--------|----------|----------|
|  | 70° | 1/2" | | 753C7N05 | |
| | 70° | 3/4" | | 753C7N07 | |
| | 70° | 1" | | 753C7N10 | |
| | * 177.7 in ³ | 70° | 1 1/4" | | 753C7N12 |
| | | 70° | 1 1/2" | | 753C7N15 |


* Interior volume with receptacle installed.

| METAL ANGLE WITH METAL BOX WITH NPT | | | | PART # |
|--|------------------------|------|--------|----------|
|  | 70° | 1/2" | | 7K3C7N05 |
| | 70° | 3/4" | | 7K3C7N07 |
| | 70° | 1" | | 7K3C7N10 |
| | * 27.7 in ³ | 70° | 1 1/4" | |


* Interior volume with receptacle installed.

NPT on top or bottom (if rotated). For other configurations, contact Customer Service.

MISCELLANEOUS ACCESSORIES

| FINGER DRAWPLATES | | |
|---|----------|--|
|  | 61-6A346 | Set of Two (2) Recommended for all assembly applications, for easier connector closure. |

| PROTECTIVE INLET/PLUG CAP | | |
|---|----------|------------------------|
|  | 31-3A426 | For Inlets/Plugs Only. |

| RECEPTACLE LOCKING PIN | | |
|---|--------|--|
|  | LP-843 | |

HAZARDOUS LOCATION



Notes: For Zone 2 DS dimensions refer to DS dimensions on pgs 55-56.

! Accessories rated for hazardous locations are not returnable.