

PowerGard™ Series Universal Receptacles and Back Boxes

Cl. I, Groups B, C, D
Cl. II, Groups F, G
Cl. III
NEMA 3, 3R, 3RX

Explosionproof
Dust-ignitionproof
Raintight
Wet Locations

10P

Whether you are powering lighting fixtures or portable equipment, you need a receptacle solution that stands up to the harsh environmental and physical demands of land-based drilling applications.

PowerGard™ Receptacles and Back Boxes meet and exceed your power needs with an easy install, universal footprint suitable for rig maintenance, retrofits, and new builds.

Applications:

PowerGard Receptacles are used:

- To supply power to lighting systems and lighting panels on land-based drilling rigs

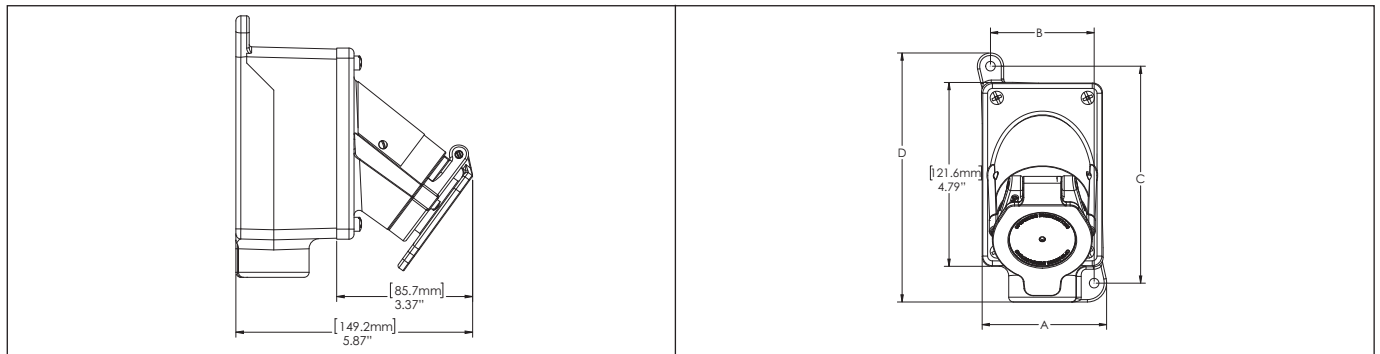
Features:

- Classified for use with Appleton® U-Line Series
- Easy-to-wire saddle clamp terminals reduce installation time and effort
- Molded-in-place phase/ground markings reduce installation errors
- Can handle temperature extremes ranging from -50°C to +55°C where comparable products are not certified to operate
- Epoxy powder coat finish, integral gasket design, and stainless steel hardware for NEMA 3RX applications
- Vibration tested at 1G to ensure continuity in high vibration areas
- Rugged Krydon® faceplate stands up to abuse in the field without cracking
- Positive on/off position identifies when unit has been engaged and disengaged
- Clearly marked operating instructions to eliminate risk of improper operation

Certifications and Compliances:

- NEC/CEC:
 - Class I, Groups B, C, D
 - Class II, Groups F, G
 - Class III
- UL Standard:
 - UL1203 Explosionproof and Dust-ignitionproof Electrical Equipment for Use in Hazardous (Classified) Locations
- CSA Standard:
 - CSA C22.2 No. 30 Explosionproof Enclosures for Use in Class I Hazardous Locations
- CEC Pending, cUL File No. 10289

Dimensions:



| Box Style | A | B | C | D |
|-------------|------------------|------------------|------------------|------------------|
| Single Gang | 3.24" (82.3) | 2.70" (68.6) | 5.65" (143.5) | 6.48" (164.7) |
| Double Gang | 6.38" (162.2) | 5.50" (139.7) | 5.69" (144.4) | 6.55" (166.5) |

Crouse-Hinds

by **E.T.N**



Environmental Ratings:

- NEMA 3, 3R, 3RX

Electrical Ratings:

- 15 Amp, 125 VAC
- 20 Amp, 125 VAC
- 20 Amp, 250 VAC

Standard Materials:

- Housing, covers, and back boxes - copper-free aluminum with Corro-free™ epoxy powder coat
- Insulator and faceplate - Krydon® fiberglass-reinforced polyester material
- External hardware - stainless steel

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Features and Benefits:

Universal Footprint

- Provides field flexibility for retrofits or installation in tight places
- UL classified for use with Appleton® U-Line Series

Superior Hardware

- Stainless steel external hardware eliminates corrosion on critical components and extends product life
- Hex head screws allow for easy achievement of specified torque values

Enhanced Safety

- Rejects standard NEMA/EEMAC plug configurations that could potentially cause an arc in hazardous areas
- Plug cannot be disengaged under load

Robust Construction

- Can handle temperature extremes ranging from -50°C to +55°C where comparable products are not certified to operate
- Epoxy powder coat finish, integral gasket, and stainless steel hardware ensure suitability for NEMA 3RX applications
- Vibration tested at 1G to ensure continuity in high vibration areas



Features and Benefits:

Safe Spring Faceplate

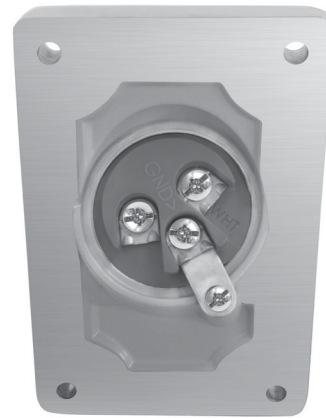
- Spring loaded faceplate design prevents receptacle from being energized without use of UL certified hazardous location plug
- Rugged Krydon® faceplate won't crack after continued use in the field

Easy Install Terminals



- Molded-in-place phase and ground markings reduce installation errors
- Easy-to-wire saddle clamp terminals reduce installation time and effort

Best-in-class Cover

- Combo head, stainless steel screws make replacement easy
- Clearly marked operating instructions ensure proper operation and safety when plugging and unplugging
- Threaded cover option available for exceptional watertight integrity



Ordering Information - Receptacle and Mounting Box:

| Type | Configuration | Wire Pole | Hub Size | 20 Amp 125 VAC Cat. # | 20 Amp 250 VAC Cat. # | 15 Amp 125 VAC Cat. # |
|---|---|-----------|-----------------|--|---|--|
|  Single Gang Assembly | Dead-end | 2W, 3P | 1/2 3/4 1 | CFS150-2023 CFS175-2023 CFS110-2023 | CFS150-20232 CFS175-20232 CFS110-20232 | CFS150-1523 CFS175-1523 CFS110-1523 |
| | Thru-feed | 2W, 3P | 1/2 3/4 1 | CFSC150-2023 CFSC175-2023 CFSC110-2023 | CFSC150-20232 CFSC175-20232 CFSC110-20232 | CFSC150-1523 CFSC175-1523 CFSC110-1523 |
| |  Double Gang Assembly | Dead-end | 2W, 3P | 1/2 3/4 1 | CFS250-2023 CFS275-2023 CFS210-2023 | CFS250-20232 CFS275-20232 CFS210-20232 |
| Thru-feed | | 2W, 3P | 1/2 3/4 1 | CFSC250-2023 CFSC275-2023 CFSC210-2023 | CFSC250-20232 CFSC275-20232 CFSC210-20232 | CFSC250-1523 CFSC275-1523 CFSC210-1523 |

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Ordering Information - Replacement Receptacle:




| Wire Pole | 20 Amp 125 VAC Cat. # | 20 Amp 250 VAC Cat. # | 15 Amp 125 VAC Cat. # |
|-----------|-----------------------------|-----------------------------|-----------------------------|
| 2W, 3P | CFSR-2023 | CFSR-20232 | CFSR-1523 |

Ordering Information - Ark•Gard® ENP Plug:




| Wire Pole | 20 Amp 125 VAC Cat. # | 20 Amp 250 VAC Cat. # | 15 Amp 125 VAC Cat. # |
|-----------|--|--|--|
| 2W, 3P |  ENP5201 |  ENP6202 |  ENP5151 |




Ordering Information - Single Gang Back Box:

| Type | Configuration | Hub Size | Cat. # |
|--|---------------|----------|---------|
|  | Dead-end | 1/2 | CFD150 |
| | | 3/4 | CFD175 |
| | Thru-feed | 1 | 1/2 |
| 3/4 | | | CFDC175 |
| 1 | | | CFDC110 |

Ordering Information - Double Gang Back Box:

| Type | Configuration | Hub Size | Cat. # |
|--|---------------|----------|---------|
|  | Dead-end | 1/2 | CFD250 |
| | | 3/4 | CFD275 |
| | Thru-feed | 1 | 1/2 |
| 3/4 | | | CFDC275 |
| 1 | | | CFDC210 |

Ordering Information - Replacement Parts:

| Type | Cat. # |
|---|--------------------|
|  Spring Cover Replacement | PGSCA |
|  Threaded Cover Replacement | PGTCA |
|  Back Box Hex Bolt Replacement | PG SCREW PACK |
| | PG SCREW PACK SLOT |

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