

U-Line™ Factory Sealed 20 Amp Plugs and Receptacles

Explosionproof, Dust-Ignitionproof

Dead-Front Safety Construction. Choice of Aluminum or Thermoplastic Polyester Plug.

NEC/CEC:

Class I, Division 1 and 2, Groups B⁺, C, D

Class II, Division 1 and 2, Groups F, G

Class III

NEMA 3, 3R, 3RX, 4X[▼], 7BCD, 9FG

Applications

- Locations where receptacles are used with stationary or portable electrically operated devices such as:
 - Lighting systems
 - Conveyors
 - Heaters
 - Motor-generator sets
 - Air conditioners
 - Compressors
 - Pumps
- Locations with damp or corrosive conditions.
- Class I: classified locations where ignitable vapors or gases are present such as:
 - Petrochemical plants
 - Petroleum refineries
 - Paint and chemical plants
- Class II: classified locations such as:
 - Process industries where there are dust hazards from handling such products as flour, grain and starch or any location where ignitable amounts of dust are present or amounts which would adversely affect performance.

Features

- Intermateable with competitor's plugs of like configurations.
- Factory sealed, external seals not required in most areas. Arcing is safely confined to receptacle interior.
- Choice of malleable iron receptacle and mounting box or aluminum receptacle and mounting box.
- Energized receptacle contacts deeply recessed to reduce danger of accidental touching.
- Unique blade-type, brass contacts exert constant pressure along entire contact surface and provide superior electrical contact.
- Insulators provide superior dielectric and mechanical strength and lowest arc tracking.
- ECP plug fits any standard non-explosionproof receptacle (NEMA 5-20R, or 6-20R) as well as U-Line™ explosionproof receptacles.
- U-Line™ EFSR-K receptacle covers are UL Classified when used with Killark [♦] SWB mounting boxes.



Standard Materials

- U-Line™ receptacle covers: copperfree (4/10 of 1% max.) aluminum
- U-Line™ mounting box: malleable iron
- U-Line™ M Series receptacle covers and mounting boxes: malleable iron
- ECP plugs: copperfree (4/10 of 1% max.) aluminum housings
- Insulating blocks: glass-filled reinforced polyester

Standard Finishes

- U-Line™ M Series mounting boxes: triple-coat—(1) zinc electroplate, (2) chromate and (3) epoxy powder coat
- U-Line™ receptacle covers and mounting boxes: epoxy powder coat

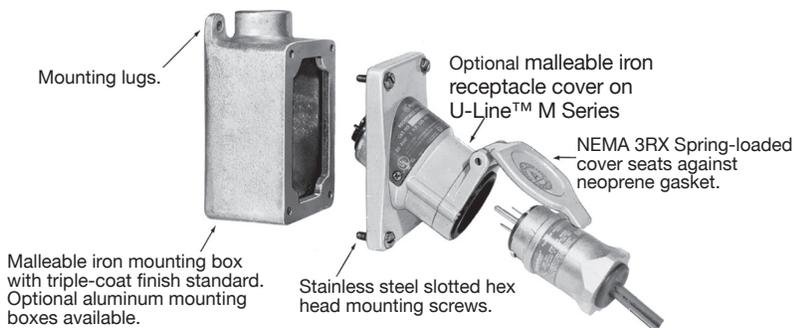
Options

- U-Line™ all-aluminum receptacle cover and mounting box. Add suffix **-A**.

NEC/CEC Certifications and Compliances

- UL Listed: E10784, E81751
- UL Standard: 1203, 1010, 894
- CSA Standard: C22.2 No. 25, C22.2 No. 30, C22.2 No. 42, C22 No.159
- CSA Certified: 038644

Illustrated Features



U-Line™ NEMA 4X corrosion resistance screw cover kit available: **ULINEREC4XKIT**. ▼

▼ NEMA 3RX when the spring-loaded cover is installed and closed. NEMA 4X when the screw cover is installed and fully engaged.

♦ Select items suitable for Class I, Group B, C and D; Class II, Groups F, G; and Class III. See product selection pages for suitable items. Note: Special U-Line™ receptacles are UL Classified when used with Killark SWB mounting boxes.

♦ Killark is a registered trademark of Hubbell Incorporated.

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Illustrated Features

Spring-loaded cover keeps dust out of receptacle when plug is not in use, which may be rotated 180° or completely removed. Stainless steel cover spring-completely enclosed for protection from corrosive environments.

With plug in use, neoprene gasket in throat of receptacle "seals" around plug keeping out dirt, water, dust and other foreign matter.

With plug not in use, spring-loaded cover seats against neoprene gasket to seal receptacle from corrosive atmospheres.



Factory sealed receptacle/switch interior. Switch is an integral part of receptacle interior, contained in an aluminum sleeve. Protective xylan coating on inside of sleeve provides smooth "rotating" action of internal switch, which is activated by rotating plug in receptacle. Entire aluminum sleeve is sealed at both ends with neoprene O-rings to protect receptacle/switch interior against moisture.

For safety... Ordinary location plug will NOT activate explosionproof U-Line™ receptacle.

Plug mechanical cable clamps on the plug prevent strain on cables and meet or exceed UL 150 lb. strain relief pull-out test for classified locations.



ECP Interchanger plug fits ordinary location receptacles (NEMA 5-20R and NEMA 6-20R) and explosionproof U-Line™ receptacle as well competitors comparable NEMA blade configured receptacles.

A twist of the plug produces audible "click" to indicate fast make and break of built-in switch contacts. Twisting plug locks it in place—cannot be accidentally pulled out.

Special neoprene watertight plug bushing accommodates flexible cord ranging from .538" to .639" in diameter.



Solderless lugs—all terminals are pressure type to facilitate wiring.

Longer plug housing for better gripping and easier plug insertion and withdrawal.

♦ Select items suitable for Class I, Group B, C and D; Class II, Groups F, G; and Class III. See product selection pages for suitable items.

U-Line™ Factory Sealed 20 Amp Malleable Iron Receptacles

Explosionproof, Dust-Ignitionproof

125 Vac, 20 Amp, 1 HP; 250 Vac, 20 Amp, 2 HP. Dead-Front Safety Construction.

NEC/CEC ②:

Class I, Division 1, Groups B♦, C, D
 Class I, Division 2, Groups B, C, D
 Class II, Division 1 and 2, Groups F, G
 Class III
 NEMA 3, 3R, 3RX, 7BCD, 9FG

Malleable Iron Receptacle Cover and Mounting Box

| Type | Wire/Pole | Hub Size (Inches) | Catalog Number | |
|------|-----------|-------------------|---|---|
| | | | 125 Vac, 1 HP  | 250 Vac, 2 HP  |

Single Gang — Class I, Group B

Class I, Division 1 and 2 Groups B, C, D; Class II, Division 1 and 2 Groups F, G; Class III

These models have separate factory sealed chamber— suitable for Class I, Group B as well as Class I, Groups C and D, Class II, Groups F, G and Class III. No external seals required.



Dead-End



Feed-Thru

| | | | | |
|-----------|--------|-----|----------------|-----------------|
| Dead-End | 2W, 3P | 1/2 | EFSB150-2023M | EFSB150-20232M |
| | | 3/4 | EFSB175-2023M | EFSB175-20232M |
| Feed-Thru | 2W, 3P | 1/2 | EFSCB150-2023M | EFSCB150-20232M |
| | | 3/4 | EFSCB175-2023M | EFSCB175-20232M |



Separate Sealing Chamber
Factory Sealed

Single Gang

Class I, Division 1 and 2 Groups B♦, C, D; Class II, Division 1 and 2 Groups F, G; Class III

Suitable for use in Class I, Division 1, Group B when used with external seals. ①



Dead-End



Feed-Thru

| | | | | |
|-----------|--------|-----|---------------|----------------|
| Dead-End | 2W, 3P | 1/2 | EFS150-2023M | EFS150-20232M |
| | | 3/4 | EFS175-2023M | EFS175-20232M |
| | | 1 | EFS110-2023M | EFS110-20232M |
| Feed-Thru | 2W, 3P | 1/2 | EFSC150-2023M | EFSC150-20232M |
| | | 3/4 | EFSC175-2023M | EFSC175-20232M |
| | | 1 | EFSC110-2023M | EFSC110-20232M |



① Seals (not furnished—see Hazardous Location Fittings Section) must be placed within 2 inches from each conduit opening. Seals are not required in Class I, Division 2 locations.

② For CEC version with CSA nameplate, add suffix -CN to catalog number.

♦ Shaded area indicates items suitable for Class I, Group B, C and D; Class II, Groups F, G; and Class III.

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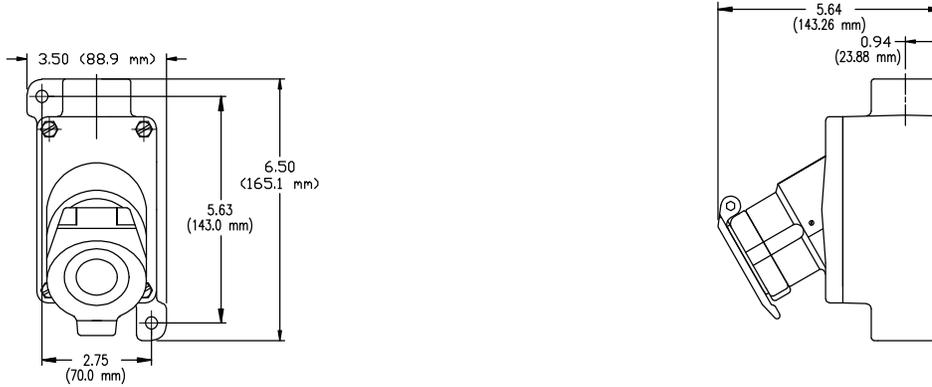
125 Vac, 20 Amp, 1 HP; 250 Vac, 20 Amp, 2 HP. Dead-Front Safety Construction.

NEC/CEC:

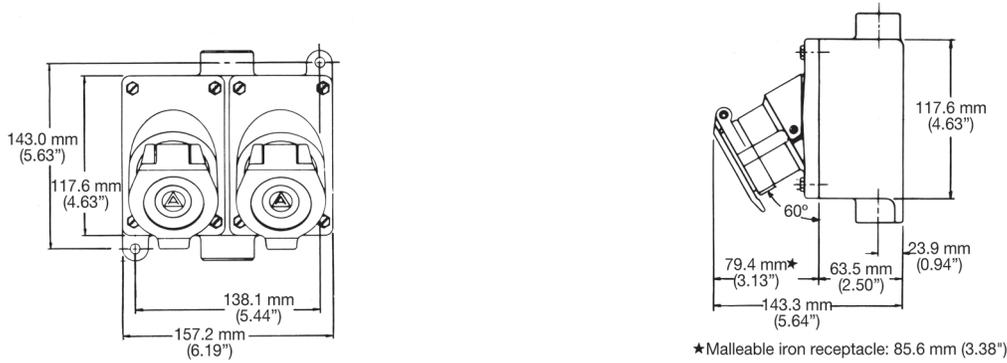
- Class I, Division 1, Groups B⁺, C, D
- Class I, Division 2, Groups B, C, D
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- NEMA 3, 3R, 3RX, 7BCD, 9FG

Dimensions in Millimeters (Inches)

Single Gang Mounting Box with Receptacle Cover



Two Gang Mounting Box with Receptacle Covers



Receptacle Cover



♦ Select items suitable for Class I, Group B, C and D; Class II, Groups F, G; and Class III. See product selection pages for suitable items.