

# 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, 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 aluminum receptacle with malleable iron mounting box or all malleable iron receptacle and 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.



### Standard Materials

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

### Standard Finishes

- Malleable iron mounting boxes: triple-coat—(1) zinc electroplate, (2) chromate and (3) epoxy powder coat
- U-Line™ receptacles: epoxy powder coat
- Cord connector housings and caps: epoxy powder coat

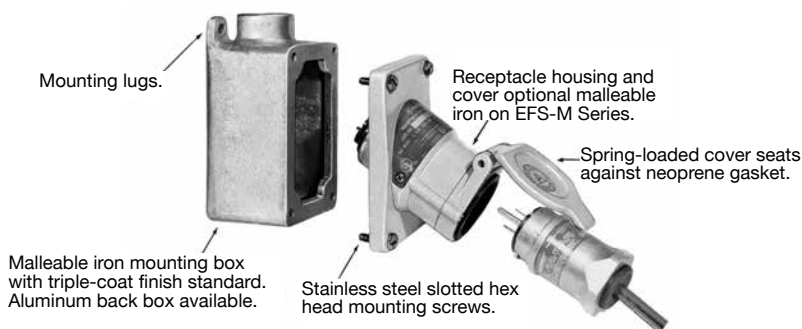
### Options

- U-Line™ all-aluminum receptacle cover and 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**.



♦ 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 to mount on Killark SWB boxes. Killark is a registered trademark of Hubbell Incorporated.

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### NEC/CEC:

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Class II, Division 1 and 2 Groups F, G

Class III

NEMA 3, 3R, 7BCD, 9FG

### Illustrated Features

**Spring door 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 door 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 Aluminum Receptacles

## Explosionproof, Dust-Ignitionproof

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

### NEC/CEC:

Class I, Division 1 Groups B<sup>+</sup>, C, D  
 Class I, Division 2 Groups B, C, D  
 Class II, Division 1 and 2 Groups F, G  
 Class III  
 NEMA 3, 3R

### Aluminum Receptacle and Malleable Iron Mounting Box ①

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

#### Single Gang

Class I, Division 1 and 2 Groups B<sup>+</sup>, 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. ②



Dead-End



Feed-Thru

Dead-End	2W, 3P	1/2	1
		3/4	
Feed-Thru	2W, 3P	1/2	1
		3/4	

EFS150-2023	EFS150-20232
EFS175-2023	EFS175-20232
EFS110-2023	EFS110-20232
EFSC150-2023	EFSC150-20232
EFSC175-2023	EFSC175-20232
EFSC110-2023	EFSC110-20232

#### Two Gang

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



Dead-End



Feed-Thru

Dead-End	2W, 3P	1/2	1
		3/4	
		1	
Feed-Thru	2W, 3P	1/2	1
		3/4	
		1	

EFS250-2023	EFS250-20232
EFS275-2023	EFS275-20232
EFS210-2023	EFS210-20232
EFSC250-2023	EFSC250-20232
EFSC275-2023	EFSC275-20232
EFSC210-2023	EFSC210-20232

#### Replacement Receptacles



2W, 3P  
 Spring Door Replacement Assembly (aluminum)  
 Receptacle for use on Killark <sup>✦</sup> SWB Boxes.

EFSR-2023	EFSR-20232
ULSCA	
EFSR-2023K	EFSR-20232K



NEMA 4X Corrosion Resistance Kit <sup>▼</sup>

ULINEREC4XKIT

① Standard back box malleable iron. For aluminum back box, add suffix **-A** to catalog number.

② 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.

<sup>▼</sup> NEMA Type 4X when the screw cover is installed and the cover is fully engaged.

<sup>◆</sup> Shaded area indicates items suitable for Class I, Group B, C and D; Class II, Groups F, G; and Class III.

<sup>✦</sup> Killark is a registered trademark of Hubbell Incorporated.

# 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:

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

### Malleable Iron Receptacle and Malleable Iron 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

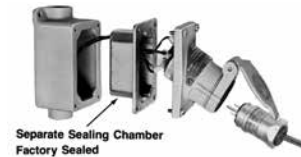
*These models have separate factory sealed chamber— suitable for Class I, Group B as well as Class I, Groups C and D, Class II, Groups F ①, G and Class III. No external seals required.*



Dead-End

Feed-Thru

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



#### 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	<b>EFS150-2023M</b>	<b>EFS150-20232M</b>
		3/4	<b>EFS175-2023M</b>	<b>EFS175-20232M</b>
		1	<b>EFS110-2023M</b>	<b>EFS110-20232M</b>
Feed-Thru	2W, 3P	1/2	<b>EFSC150-2023M</b>	<b>EFSC150-20232M</b>
		3/4	<b>EFSC175-2023M</b>	<b>EFSC175-20232M</b>
		1	<b>EFSC110-2023M</b>	<b>EFSC110-20232M</b>

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.

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

# 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:**

Class I, Division 1 Groups B<sup>+</sup>, C, D  
 Class I, Division 2 Groups B, C, D  
 Class II, Division 1 and 2 Groups F, G  
 Class III  
 NEMA 3, 3R

### Malleable Iron Receptacle and Malleable Iron Mounting Box

	Type	Wire/Pole	Hub Size (Inches)	Catalog Number	
				125 Vac, 1 HP 	250 Vac, 2 HP 
<b>Two Gang</b>					
<i>Class I, Division 1 and 2 Groups C, D; Class I, Division 2, Groups B, C, D; Class II, Division 1 and 2 Groups F, G; Class III.</i>					
 	Dead-End	2W, 3P	1/2	EFS250-2023M	EFS250-20232M
			3/4	EFS275-2023M	EFS275-20232M
			1	EFS210-2023M	EFS210-20232M
	Feed-Thru	2W, 3P	1/2	EFSC250-2023M	EFSC250-20232M
			3/4	EFSC275-2023M	EFSC275-20232M
			1	EFSC210-2023M	EFSC210-20232M
Dead-End	Feed-Thru				

### Malleable Iron Replacement Receptacle Only

	2W, 3P	EFSR-2023M	EFSR-20232M
	Spring door replacement assembly (iron)	ULSCM	

Appleton

PLUGS AND RECEPTACLES: NEC/CEC HAZARDOUS LOCATION

♦ 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 Receptacles

## Explosionproof, Dust-Ignitionproof

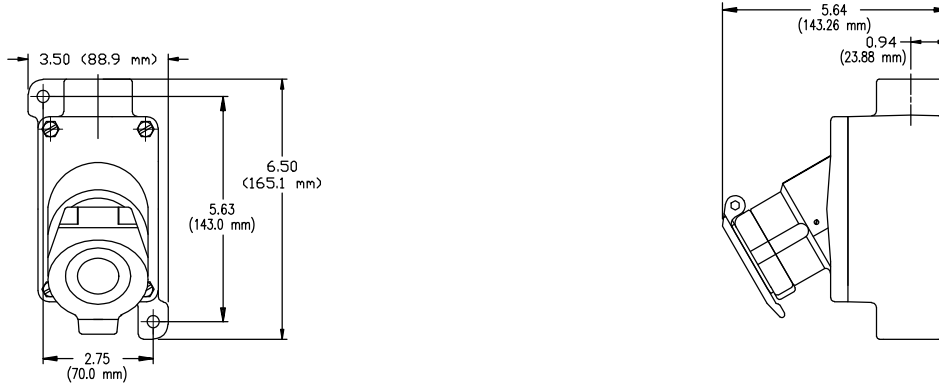
125 Vac, 20 Amp, 1 HP; 250 Vac, 20 Amp, 2 HP. Dead-Front Safety Construction.

**NEC/CEC:**

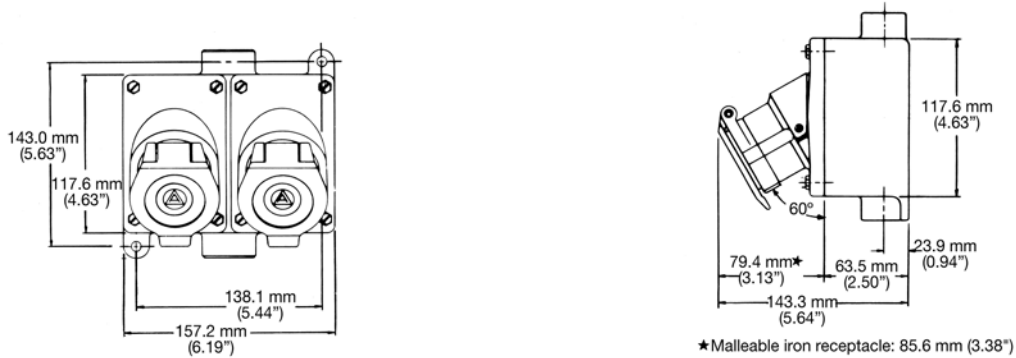
- Class I, Division 1 Groups B+, C, D
- Class I, Division 2 Groups B, C, D
- Class II, Division 1 and 2 Groups F, G
- Class III
- NEMA 3, 3R

**Dimensions in Millimeters (Inches)**

**Single Gang Box**



**Two Gang Box**



**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.