

EBR 30, 60, 100 and 150 Amp Series Receptacles

Explosionproof, Dust-Ignitionproof

With Disconnect Switch or Circuit Breaker. Weatherproof Spring Cover. 600 Vac Max. 250 Vdc Max.

NEC:

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

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

Class III

NEMA 3⁺, 3R⁺, 4⁺, 4X⁺, 7CD, 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 where damp or corrosive conditions exist
- Class I: classified locations such as:
 - Petrochemical plants
 - Petroleum refineries
 - Paint and chemical plants
 - Any location where ignitable vapors or gases are present
- 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

- Energized receptacle contacts deeply recessed to reduce danger of accidental touching.
- Style 2 (shell and extra pole) grounding.
- Spring door keeps dust out of receptacle when plug is not in use. Screw cap also supplied.
- Brass contacts exert constant pressure along entire contact surface and provide superior electrical contact.
- Contacts have beryllium copper wire springs.
- Plug mechanical cable clamps prevent strain on cables— they meet or exceed UL strain relief pull-out requirements.
- Neoprene bushing compressed by cable collar prevents entrance of water.
- Insulators provide superior dielectric and mechanical strength and lowest arc tracking.
- 1-1/2 NPT tapped conduit openings; one top two bottom.
- EBRH: interlocked disconnect switch provides safe connect and disconnect operation at 30, 60 or 100 Amp, 600 Vac maximum. Two or three pole, non-fused motor circuit switch. EBRH permits safe operation in Class I, Group B as well as Class I, Groups C and D, Class II, Groups F, G, and Class III.
- EBR: interlocked circuit breaker provides interlocked connect and disconnect operation as well as short circuit and thermal time delay overload protection.
- To operate, insert plug (which automatically locks into receptacle) and turn Breaker Handle to "ON" position. To remove plug, turn Handle to "OFF" position, lift Plug Release Knob and pull plug out.
- ACP and CPH plug fits Powertite™ Series hazardous location EBR and EBRH receptacles.



Standard Materials

- EBR and EBRH receptacles: copperfree (4/10 of 1% max.) aluminum receptacle and mounting box
- CPH and ACP plugs: copperfree (4/10 of 1% max.) aluminum housings
- Insulating blocks: fiber glass reinforced polyester

Standard Finishes

- Receptacles, mounting boxes, cord connector housings and caps: epoxy powder coat

Options

- For Group B version add suffix **-GB** to receptacle (Group B version not suitable for NEMA 4, 4X).
- For GE [®] breaker, add **-GE** after EH, FB or HFB for GE Circuit Breakers. Contact your local representative for availability and price.
- Molded case switch available on the 150 Amp versions, add suffix **-K** to receptacle.
- Special Polarization: Prevents plug insertion in a receptacle or connector wired for a different voltage. In installations where there are different line voltages, the special polarization option is desirable. This allows only plugs and receptacles wired for the same line voltage to be mated together. The receptacle or connector interior is positioned 22-1/2°, relative to the polarization rivet, to the right (as specified) of standard, and plug is polarized to correspond. This option can be added to receptacles using the Powertite Plug. Add suffix **-P4** to receptacle or plug.
- For 2" feed-thru openings (one top, one bottom) add suffix **-22** to receptacle.
- 1 N/O and 1 N/C Auxiliary Contacts. Add suffix **-AUX**.
- Drain and breather set, add suffix **-DV**.

NEC Certifications and Compliances

- UL Standard: UL 1010 (UL 1203), UL 894, UL 1682
- UL Listed: E79132, E10784, E313360(EBR)

• Flip cover suitable for NEMA 3, 3R only.

▼ NEMA 4/4X rating maintained with an ACP Powertite plug installed. Install screw cover for 4, 4X. Both covers are included with product.

♦ Add suffix **-GB** to Cat. No. for Group B. (Group B version not suitable for NEMA 4, 4X).

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