



ERCB Receptacles Interlocked with Circuit Breakers and EPJ Plug



Bosston

A QUALITY PRODUCT

EXPLOSIONPROOF

For UL.60079-1 Standard Class I,II Div.1 and 2 Groups C,D,E,F and G

For IEC.60079-0/1 Standard Zone 1 and Zone 2

Technical data

Type of Protection: Ex d IIA T6

Conforming to : Standards IEC 60079-0 /1 or UL 60079-1

Marking for test : Ex II2G

Degree of Protection : IP66 acc.To IEC 60529

Rated Voltage : up to 400 V-

Rated current : up to 32 A.

Electrical rating range : 16 - 32A. 220 - 380 V.AC.

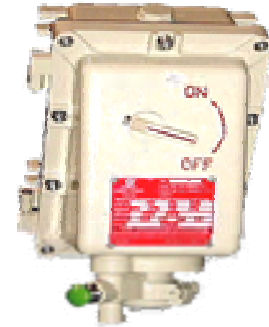
Type : ERCB , RPJ

Protection class for UL. : Class I, Division1 or 2 Group.C,D

Class II, Division 1 or 2 Groups.E,F,G

Class III

Protection class for IEC : Zone1and Zone 2



ERCB



EPJ

Descriptions :

The **ERCB** receptacles interlocked with circuit breakers and EPG plugs are suitable for hazardous locations due to the presence of flammable hazardous gases or vapors, combustible dusts or ignitable fibers. installation in petroleum refineries, chemical plants processing of grain, flour of starch, and storage areas where hazardous substances are handled. damp, wet or corrosive locations. supply power to portable electrical equipments such as lighting fixtures, conveyors, motors or pumps. area where heavy duty receptacles and plugs are necessary.

Features:

- **ERCB receptacles:** housing with hinge cover four mounting lugs, mounting lugs, housing provided with vertical feed-thru conduit hub NPT thread, O-Ring gasket is provided at the flange of housing to protect against the ingress of moisture and dust or liquid, solderless lugs are provided for line connections, and receptacle is prewired to the load side of breaker, spring load-cover, to protect dusts when the plug is not in use, long grounding pole for maximum safety.
- **EPJ plugs:** cable clamp provide secure and non-slip termination, neoprene bushing and neoprene gasket for water-resistant.
- The key rib is provided in receptacle to engage the key slot of plug permitting entrance in only one position.
- Safety Lock-Knob mechanism for the plug can not be inserted or removed unless the switch is in "OFF" position.
- To operate, pull up the Lock-Knob and fully inserted the plug into receptacle before the switch can be turn-on. Turn-off switch before pull up the Lock-Knob, then plug can be removed.

Standard Finishes:

- Copper-free aluminium - Epoxy-polyester powder
- Brass - Silver plated
- Stainless steel - Natural

Standard Materials:

- Receptacle housing, cover and plug exteriors - Copper-free aluminium
- Insulation - Bakelite
- Solid split-type contact - Brass
- Mechanism and bolts - Stainless steel

Caution:

To reduce the risk of ignition of hazardous atmospheres, do not use receptacles or plugs in class II, Groups F locations that contain electrically conductive dusts (most coal dusts are not electrically conductive).

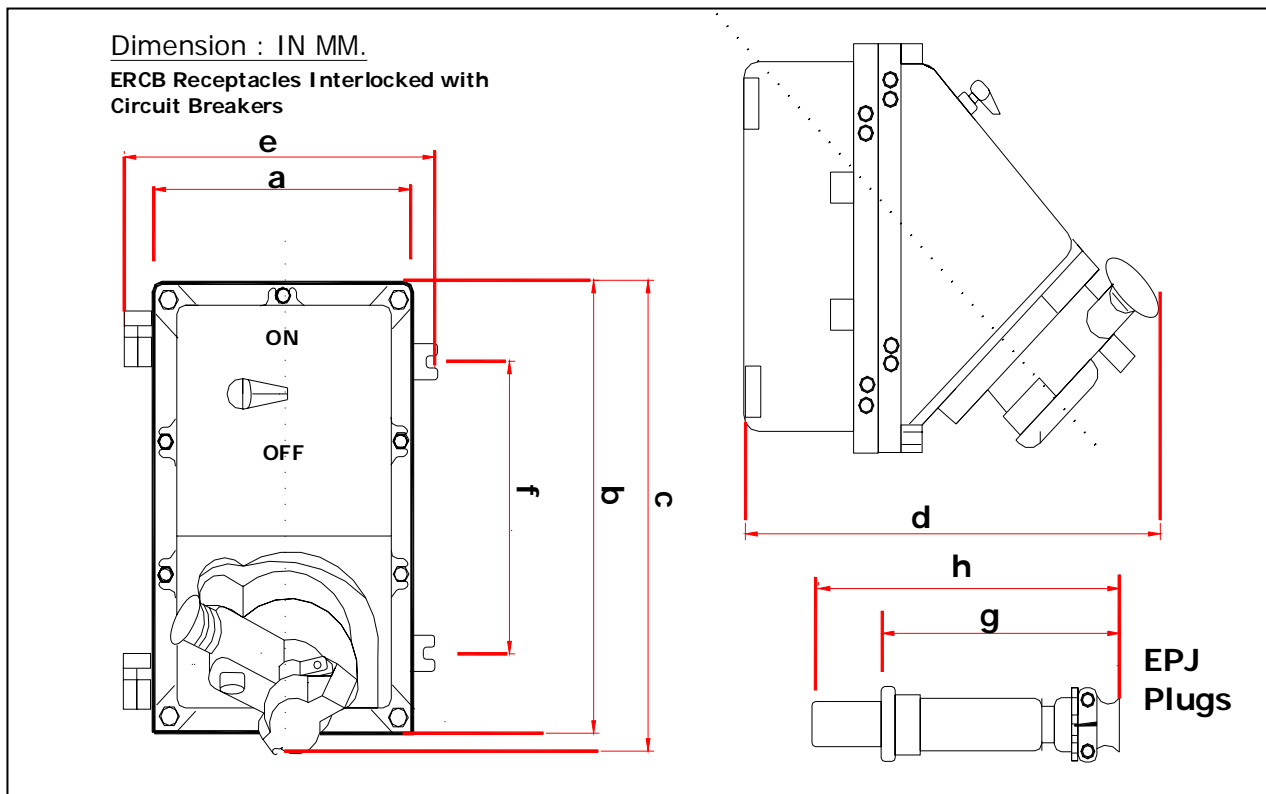
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For IEC.60079-0/1 Standard Zone 1 and Zone 2



Circuit Breaker	Dimension in mm.							
Amp. Trip	a	b	c	d	e	f	g	h
16	210	310	325	300	230	215	170	205
20	210	310	325	300	230	215	170	205
25	210	310	325	300	230	215	170	205
32	210	310	325	300	230	215	170	205

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Phase/Wire/Pole	Circuit Breaker(CB.) Hub Size*1			Receptacle Cat.,No. *2		Plug Cat..No.*3
	AT	Pole	NPT(inch)	Mitsubishi CB.	ABB CB.	
1PH/2W/3P	16	2	3/4,1	ERCB316M- <input type="checkbox"/>	ERCB316A- <input type="checkbox"/>	EPJ316✦
	20	2	3/4,1	ERCB320M- <input type="checkbox"/>	ERCB320A- <input type="checkbox"/>	EPJ320✦
	25	2	3/4,1	ERCB325M- <input type="checkbox"/>	ERCB325A- <input type="checkbox"/>	EPJ325✦
	32	2	3/4,1	ERCB332M- <input type="checkbox"/>	ERCB332A- <input type="checkbox"/>	EPJ332✦
3PH/3W/4P	16	3	3/4,1	ERCB416M- <input type="checkbox"/>	ERCB416A- <input type="checkbox"/>	EPJ416✦
	20	3	3/4,1	ERCB420M- <input type="checkbox"/>	ERCB420A- <input type="checkbox"/>	EPJ420✦
	25	3	3/4,1	ERCB425M- <input type="checkbox"/>	ERCB425A- <input type="checkbox"/>	EPJ425✦
	32	3	3/4,1	ERCB432M- <input type="checkbox"/>	ERCB432A- <input type="checkbox"/>	EPJ432✦

Options :

Equiped with drain fitting, add suffix - D to Receptacles Cat.,No.

* 1 The conduit hub size for receptacle box shall be selected only 1 size as per recommendation.

* 2 Add suffix in for conduit hub size to Cat. No.
 1 - 1/2 inch NPT 2 - 3/4 inch NPT 3 - 1 inch NPT

* 3 Add suffix in ✦ for cable O.D. used to Cat. No.
 14 - (9-14mm.) 19 - (15-19mm.) 22 - (20-22mm.) 24 - (23-24mm.)