

Circuit Breaker Panel boards EPBC Series

Wet Locations
NEMA 3,3R,4,4X,7

❖ Application

EPBC panel boards are designed specifically for used in :

- Class 1, Division 2, Groups C, D hazardous areas where flammable vapors or gases may be present due to accident or abnormal locations.
- damp, wet or corrosive locations.
- indoors or outdoors in Division 2 areas of petroleum refineries, chemical and petrochemical plants, and other process industry facilities.

❖ Features

- Enclosures are of external flange design, which makes the interior completely accessible when the cover is removed.
- Provided with concealed mounting, which is made possible by having our clearance holes for lag screws or mounting bolts in the back of the enclosure, one in each corner.
- The interior sub-assembly, consisting of a mounting plate, main terminal blocks, branch circuit terminal blocks and circuit breakers, is removable as a complete unit.
- Ample gutter space is provided for ease of field wiring.
- Circuit breakers are contained in compact, individual enclosures are easily removed and replaced, therefore changing or adding individual circuit breakers will not present a problem.
- The main cover, which is gasketed to exclude dirt and moisture, is attached to the body with hex head bolts and is removed only when installing the panel-board or making wiring changes. In the center of the main cover is a gasketed hinged door, which provides access only to the circuit breaker operating handles, and is held closed by two quick-release catches. The door can be locked by as many as 3 padlocks to prevent unauthorized operation.

❖ Type of Explosion-proof
Flameproof-Increase Safety (Ex de IIB T6)



- Tapped conduit openings are provided for main conduit and branch circuits, as shown in the dimensional information. Standard openings can be reduced or plugged to meet most installation requirements.
- Circuit breakers are arranged in two vertical rows and have the circuit numbers marked on the handles. The left row is numbered 1, 3, 5, 7, etc. and the right row 2, 4, 6, 8, etc. identifying information may be typed on the circuit directory card attached to the inside of the hinged door.

❖ Standard Materials

- Body, cover and hinged doors : Cast aluminium alloy
- Interior parts : Sheet steel

❖ Standard Finish

- MUNSELL No. 7.5BG 6/1.5
- If you want another color, contact us please.

❖ Electrical Rating Ranges

- Circuit breakers
- Single-pole-120/VAC max.
- Two-pole-120/24VAC max.
- Trip ratings 15, 20 and 30 Amp.

❖ EPBC Explosion-proof Factory Sealed Panel Board

Panel Size	No. of Breaker		Catalog Number						
			Wiring System No.1 1Phase 2Wire		Wiring System No.2 1Phase 3Wire		Wiring System No.4 3Phase 4Wire		
	1p	2p	1pole	2pole	1pole	2pole	1pole	2pole	
#1	6		EPBC1061		EPBC2061		EPBC4061		
	8	4	EPBC1081	EPBC1042	EPBC2081	EPBC2042	EPBC4081	EPBC4042	
	10	5	EPBC1101	EPBC1052	EPBC2101	EPBC2052	EPBC4101	EPBC4052	
	12	6	EPBC1121	EPBC1062	EPBC2121	EPBC2062	EPBC4121	EPBC4062	
#2	14	7	EPBC1141	EPBC1072	EPBC2141	EPBC2072	EPBC4141	EPBC4072	
	16	8	EPBC1161	EPBC1082	EPBC2161	EPBC2082	EPBC4161	EPBC4082	
	18	9	EPBC1181	EPBC1092	EPBC2181	EPBC2092	EPBC4181	EPBC4092	
	20	10	EPBC1201	EPBC1102	EPBC2201	EPBC2102	EPBC4201	EPBC4102	
	22	11	EPBC1221	EPBC1112	EPBC2221	EPBC2112	EPBC4221	EPBC4112	
	24	12	EPBC1241	EPBC1122	EPBC2241	EPBC2122	EPBC4241	EPBC4122	
#3		13		EPBC1132		EPBC2132		EPBC4132	
		14		EPBC1142		EPBC2142		EPBC4142	
		15		EPBC1152		EPBC2152		EPBC4152	
		16		EPBC1162		EPBC2162		EPBC4162	
		17		EPBC1172		EPBC2172		EPBC4172	
#4		18		EPBC1182		EPBC2182		EPBC4182	
		19		EPBC1192		EPBC2192		EPBC4192	
		20		EPBC1202		EPBC2202		EPBC4202	

⇒ If you need more information, contact us please.



❖ Replacement Circuit Breaker Assemblies

Where EPBC panel boards have been ordered with less than the maximum number of circuit breakers, breakers can easily be added in the field. Circuit breaker assemblies for field addition or replacement are listed below; they consist of the breaker it-self in its factory sealed Class 1, Division 2, Groups C, D enclosure, leads for connection to terminal blocks, and necessary hard-ware.

❖ Ordering Information

- Panel boards are available with 15, 20 or 30 ampere circuit breakers. To order a panel board with all breakers of the same rating add the desired rating as a suffix to the Cat. No. For example, the 12 circuit EPBC 2512 panel board with all the circuit breakers rated 20 amperes would be ordered as EPBC 2512-20.
- Panel boards can be furnished with an assortment of breaker ratings. To order, the quantities and ampere ratings are added as suffixes to the Cat. No. For example, the 12 circuit EPBC 2512 with six 15 ampere, four 20 ampere and two 30 ampere circuit breakers would be ordered as EPBC 2512-615-420-230.
- The EPBC with a main breaker is available up to 100 amps. To order EPBC with main breaker, add the appropriate suffix. Example. EPBC 2512-15 with 3 pole, 100 amp main circuit breaker would be ordered as EPBC 2512-15-3M 100. If 2 pole main is required, change the number 3 to 2 if a lower trip rating than 100 is required, the suffix will change accordingly.

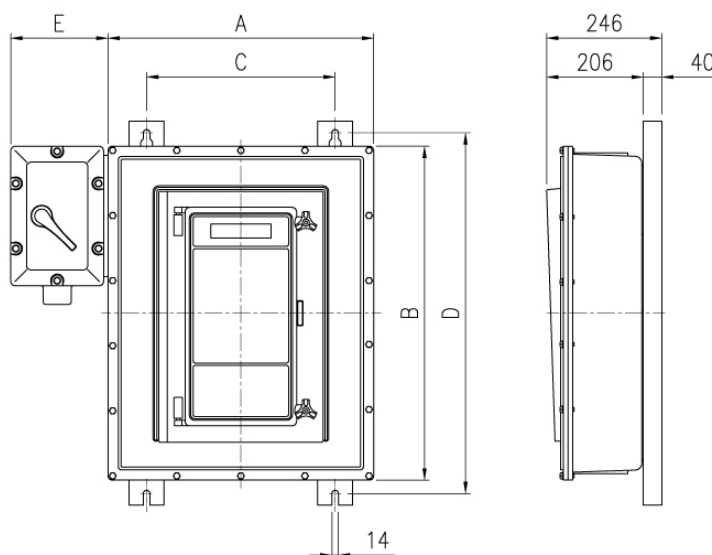
❖ 1-Pole Circuit Breaker Assemblies Ampere

Rating	
15	EPC11-15
20	EPC11-20
30	EPC11-30

❖ 2-Pole Circuit Breaker Assemblies Ampere

Rating	
15	EPC11-15
20	EPC11-20
30	EPC11-30

❖ Dimensions (mm)



TYPE	A	B	C	D	E
#1	572	526	406	582	210
#2	572	718	406	776	210
#3	572	945	406	1003	270
#4	572	1085	406	1143	270