# Circuit Breaker Panel Board
# EPDS Series

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

### ❖ Type of Explosion-proof
Flameproof (Ex d IIB T6)



### ❖ Features
- In each housing the cover is fitted the body with cylindrical joint for highly reliable flameproof and weatherproof properly. The breaker housings and separable from busbar housing by the flameproof packing type seal.
- Both built-in breaker and the operating handle are installed on the cover. They can be pulled out together with the cover by releasing four fixing bolts for maintenance.
- Busbar housing contains the bus bars and leads, and provides terminal at the lower end.

### ❖ Application
- This range of EPDS panel boards is designed for high degree of flameproof protection, good weatherproofness, and easy installation and maintenance.
- These are constructed and assembled with breaker housings, busbar housing and a branch terminal housing in accordance with the number of branch circuits.

### ❖ Standard Materials
- Breaker Housing : Cast aluminium alloy
- Main & Branch Bus Bar Housing : Cast aluminium alloy
- Terminal Box : Cast aluminium alloy
- Mounting Frame : Steel

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

### ❖ Details of Breakers

| Description | Circuit Breaker | Motor Breaker |
|---|---|---|
| Frame Size | 50A | 50A |
| No.of Poles | 2 \| 3 | 3 |
| Rated Voltage | 400/440V AC | 400/440V AC |
| Rated Current | 5, 10, 15, 20 or 30A | 15KW Max. |
| Rated Interrupting | 5KA at 460V AC | 5KA at 460V AC |

The EPDS with a main breaker is available up to 225 amps. To order EPDS with main breaker, add the appropriate suffix. Example: EPDS 2122-20 with 3pole, 100Amp main circuit breaker would be ordered as EPDS 2122-20-3M100. If 2pole main is required change the number 3 to 2. If a other trip rating then 100 is required, the suffix will change accordingly.

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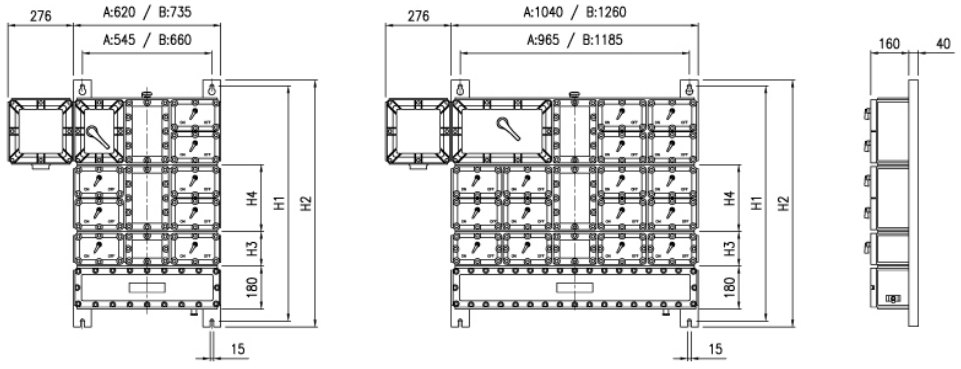
## ❖ Flameproof EPDS Panel Boards

| Panel Size | No. of Breaker | Catalog Number | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Wiring System No.1 1Phase 2Wire | | Wiring System No.2 1Phase 3Wire | | Wiring System No.3 3Phase 3Wire | | Wiring System No.4 3Phase 4Wire | |
| | | 1pole | 2pole | 1pole | 2pole | 2pole | 3pole | 2pole | 3pole |
| 1 | 4 | EPDS 1041 | EPDS 1042 | EPDP 2041 | EPDP 2042 | EPDP 3042 | EPDP 3043 | EPDP 4042 | EPDP 4043 |
| 2 | 6 | EPDS 1061 | EPDS 1062 | EPDP 2061 | EPDP 2062 | EPDP 3062 | EPDP 3063 | EPDP 4062 | EPDP 4063 |
| 3 | 8 | EPDS 1081 | EPDS 1082 | EPDP 2081 | EPDP 2082 | EPDP 3082 | EPDP 3083 | EPDP 4082 | EPDP 4083 |
| 4 | 10 | EPDS 1101 | EPDS 1102 | EPDP 2101 | EPDP 2102 | EPDP 3102 | EPDP 3103 | EPDP 4102 | EPDP 4103 |
| 5,2 | 12 | EPDS 1121 | EPDS 1122 | EPDP 2121 | EPDP 2122 | EPDP 3122 | EPDP 3123 | EPDP 4122 | EPDP 4123 |
| 2 | 14 | EPDS 1141 | EPDS 1142 | EPDP 2141 | EPDP 2142 | EPDP 3142 | EPDP 3143 | EPDP 4142 | EPDP 4143 |
| 3 | 16 | EPDS 1161 | EPDS 1162 | EPDP 2161 | EPDP 2162 | EPDP 3162 | EPDP 3163 | EPDP 4162 | EPDP 4163 |
| 3 | 18 | EPDS 1181 | EPDS 1182 | EPDP 2181 | EPDP 2182 | EPDP 3182 | EPDP 3183 | EPDP 4182 | EPDP 4183 |
| 4 | 20 | EPDS 1201 | EPDS 1202 | EPDP 2201 | EPDP 2202 | EPDP 3202 | EPDP 3203 | EPDP 4202 | EPDP 4203 |
| 4 | 22 | EPDS 1221 | EPDS 1222 | EPDP 2221 | EPDP 2222 | EPDP 3222 | EPDP 3223 | EPDP 4222 | EPDP 4223 |
| 5 | 24 | EPDS 1241 | EPDS 1242 | EPDP 2241 | EPDP 2242 | EPDP 3242 | EPDP 3243 | EPDP 4242 | EPDP 4243 |

## ❖ Dimensions

| PANEL SIZE | A TYPE (2P MCCB) | | | | B TYPE (3P MCCB) | | | |
|---|---|---|---|---|---|---|---|---|
| | H1 | H2 | H3 | H4 | H1 | H2 | H3 | H4 |
| 1 | 705 | 755 | 145 | 280 | 860 | 910 | 194 | 378 |
| 2 | 840 | 890 | 145 | 280 | 1040 | 1090 | 194 | 378 |
| 3 | 985 | 1035 | 145 | 280 | 1240 | 1290 | 194 | 378 |
| 4 | 1120 | 1170 | 145 | 280 | 1420 | 1470 | 194 | 378 |
| 5 | 1265 | 1315 | 145 | 280 | 1620 | 1670 | 194 | 378 |
| APPLICATION | Branch ┌ 1-POLE, MCCB<br>└ 2-POLE, MCCB | | | | Branch ┌ 3-POLE, MCCB<br>└ ELCB | | | |

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