GRP Circuit Breaker Panel Board
EFDS Series

❖ Application

EFDS Series panel boards are used ;
- Hazardous locations due to the presence of flammable gases or vapors, water and moisture.
- Petroleum refineries, chemical and petrochemical plant with indoor and outdoor processes.

❖ Features

- Factory sealed - no external seal required.
- Fully wired from circuit breaker housing to pre-numbered terminals in wiring compartment.
- GRP plastic construction provides excellent resistance to corrosion.
- Circuit breakers are contained in compact, individual factory sealed enclosured suitable for flameproof hazardous location.
- Standard circuit breaker housing material is glass fiber reinforced polyester. (Cast Al circuit breaker is order made)
- Outgoing units is padlock facilities in the OFF position. Each ELCB is provided with a test facility.
- Max. 36 Circuit breaker.

<Factory Sealed Breaker>

❖ Standard Materials

- Main Enclosure : GRP (Glass fiber reinforced polyester)
- Circuit Breaker : GRP (Glass fiber reinforced polyester)

❖ Standard Finish

- Enclosure - Dark Gray
- Breaker - Black

❖ Certification

- Ex db eb IIC T4/T5/T6 Gb IP66
- Ex tb IIIC T135℃/T100℃/T85℃ Db IP66
- INERIS 14ATEX0051X
- IECEx KTL 19.0004

❖ Options

- Sunshade cover

❖ Inner of EFDS

< Inner of EFDS Panel >

<Breaker Part>

<Busbar Part>

❖ Ordering Information

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EFDS - * /* / * *  * / *
  ①      ②   ③   ④ ⑤  ⑥   ⑦
```

① EFDS Panel

② Total Q'ty of Branch Breaker

01	1 Circuit Breaker
...	...
36	36 Circuit Breaker

③ Amp. of Main Breaker / ④ Amp. of Branch Breaker

50	50AF
63	63AF
100	100AF
225	225AF
250	250AF

⑤ Type of Branch Breaker

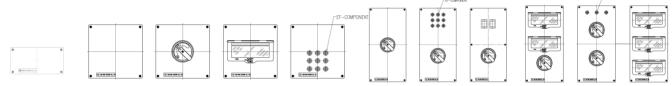| M	MCCB
E	ELCB

⑥ Q'ty of Branch Breaker

01	1 Circuit Breaker
...	...
36	36 Circuit Breaker

⑦ Cable Entry Type

None	Standard
G	Gland Plate

❖ Assembly example

- Type of Enclosure

- Type of Enclosure Assembly