

Circuit Breaker & Control Panel Board

ESDS Series

❖ Type of Explosion-Proof

Explosion Proof (Ex d IIB T6 Gb / Ex db IIB+H2 T5 Gb IP66)
Dust Protection (Ex tb IIIC T85°C Db / Ex tb IIIC T95°C Db IP66)

❖ Application

ESDS Series panel boards are used ;

- In locations which are hazardous due to the presence of flammable atmosphere area zone 1&2, 21&22
- For indoor and outdoor applications in petroleum refineries, chemical, petrochemical plants, lighting system, motor control, control electronic equipment and other process industry facilities where similar hazards exist

❖ Features

- Fully wired from circuit breaker housing to pre-numbered terminals in wiring compartment.
- Two inner wiring type – bus bar type, wire type.
- Silicone cover gasket provides a watertight seal to meet IP66.



❖ Standard Materials

- Main Enclosure : Cast Aluminum or Cast Iron
- Interior parts : Aluminum Alloy or Others
- Exposed Hinge : Stainless Steel

❖ Compliance

- IEC 60079-0, 1, 31

❖ Certification

- Certified by
KTL (IECE_x KTL 15.0016X),
KTL (IECE_x KTL 23.0039X),
INERIS (16 ATEX 0003X)

❖ Standard Finish

- Munsell 7.5BG or maker standard, powder coated surface
- If you want another color, contact us please.

❖ Options

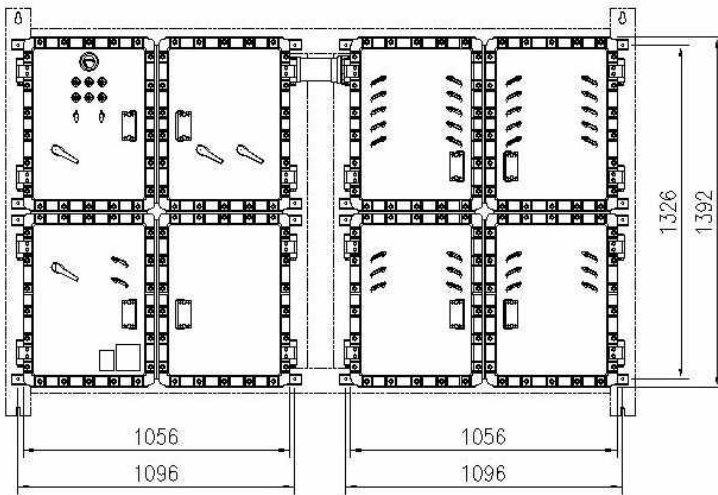
- Drain and breather
- Sunshade cover

⇒ If you need more information, contact us please.

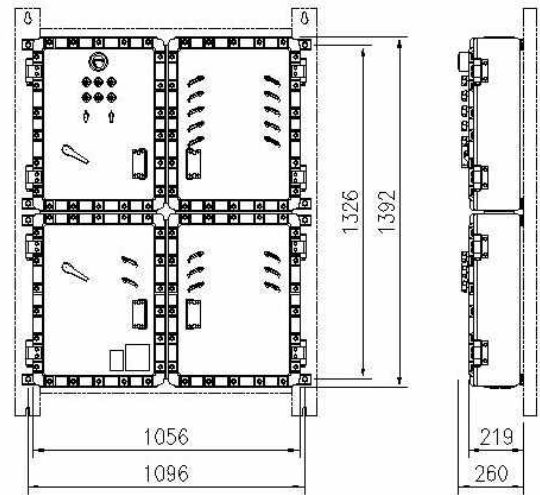
❖ Technical Data

Electrical Rating	
Circuit No.	Max. 50 Circuit
Main Breaker	Max. 600V / 250AF / 250AT / 4P
Branch Breaker	Max. 600V / 100AF / 100AT / 3P
Ambient Temperature	-20℃ ~ 55℃
Entry Standard	M (Metric), N (NPT), P (PF)
Entry Size	M20 or 1/2", M63 or 2-1/2" and M75 or 3"

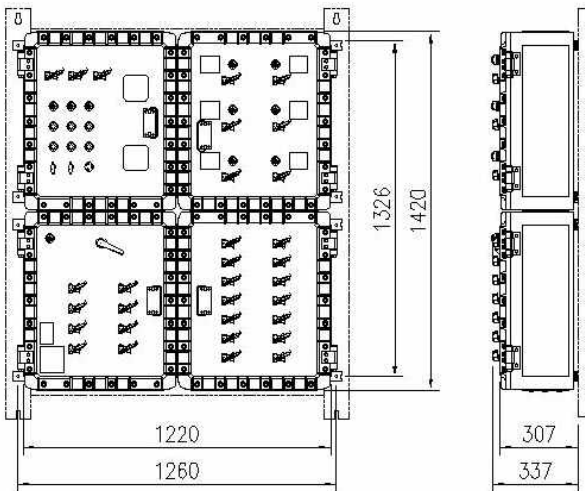
❖ Dimension



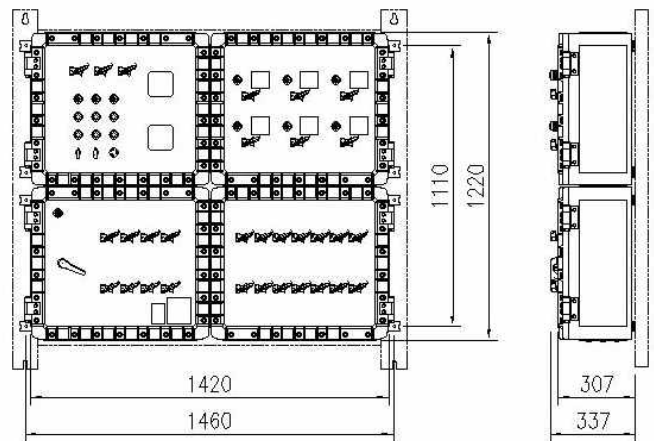
<ESDS A Type>



<ESDS B Type>



<ESDS 706 A Type>



<ESDS 706 B Type>