

SPN-de-IIC Series Explosion Proof Panel

Class I Division 2, Group A, B, C, D	Zone 1, Zone 2
Class II Division 1, Group E, F, G	Zone 21, Zone 22
Class III	Type 4X, IP66
Ex d e IIC T6 Gb	Max.200A
Ex tb IIIC T80°C Db IP66	Built-in Circuit Breaker

Applications

- Usage by application: Depends on the application field, explosion proof junction box can be used in oil and gas plant, processing refinery, oil tankers, underground mining plant chemical plant and anywhere there is flammable gas, vapor, mist and dust.
- Function: From the incoming wires to the outgoing wires, from main circuit to brand circuit, explosion proof panel play an intermediate allocator role in distributing electricity for load.

Features

- Aiming to be used in class 1 div 2 for group A, B, C, D and zone 1 for group IIC, the enclosure combination for flame proof aluminum alloy housing(gas group IIC) and increased safety aluminum alloy housing, together with increased safety terminal blocks, formed the suitable Ex de explosion proof panel and explosion proof panelboards, this explosion proof power distribution panel play an significant role in hazardous area control system, especially for usage for explosion proof motor starter and explosion proof motor enclosure.
 - ➡ Flame proof Ex d IIC aluminum alloy housing together with electrical breakers, buttons and indicators
 - ➡ Increased safety Ex e aluminum alloy housing together with increased safety Ex e terminal blocks

Technical Datasheet

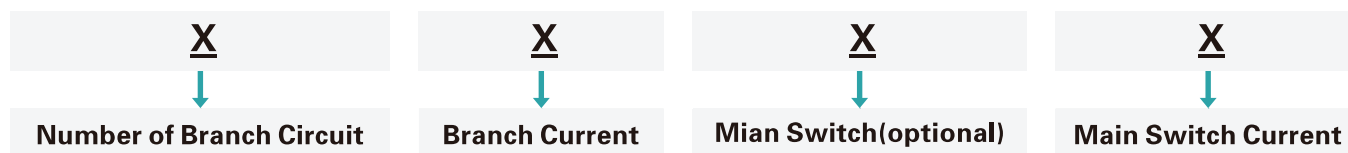
Compliances	IEC Standard	EU Standard	NEC & CEC Standard
	IEC60079-0, IEC60079-1, IEC60079-7, IEC60079-31 Ex d e IIC T6 Gb Ex tb IIIC T80°C Db IP66 Zone 1, Zone 2 Zone 21, Zone 22	EN60079-0, EN60079-1, EN60079-7, EN60079-31 Ex II 2 G Ex d e IIC T6 Gb Ex II 2 G Ex tb IIIC T80°C Db IP66 Zone 1, Zone 2 Zone 21, Zone 22	Class I, Div.2, Group A, B, C, D Class II, Div.1, Group E, F, G Class III
Material	Copper-free aluminium, grey		
Rated Voltage	Max.690V AC		
Rated Current	Max.200A		
IP Grade	Wet Locations, Type 4X, IP66		
Ambient Temperature	-40°C~ +55°C / -40° F ~ +131° F		
Cable Entry	Metric or NPT thread type plugs (standard) or cable glands		

Built-in Components

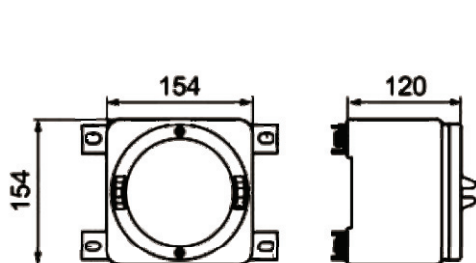
Main Switch (MCB or MCCB), Branch Switch (MCB or MCCB), Indicator, Terminal etc.

Catalogue Numbering System

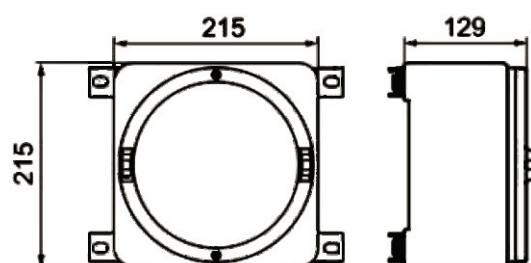
SPN-de-IIC-



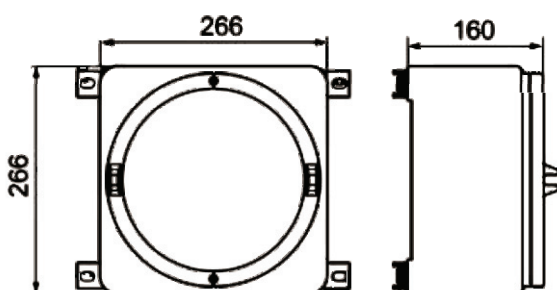
Mounting Options & Dimensions (mm/inch)



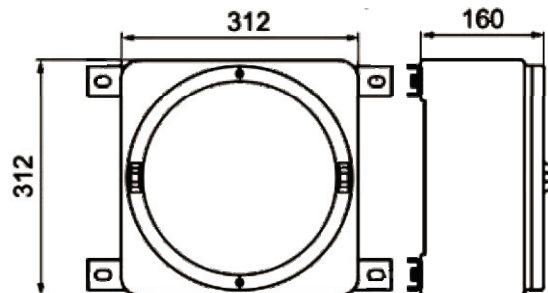
Type I



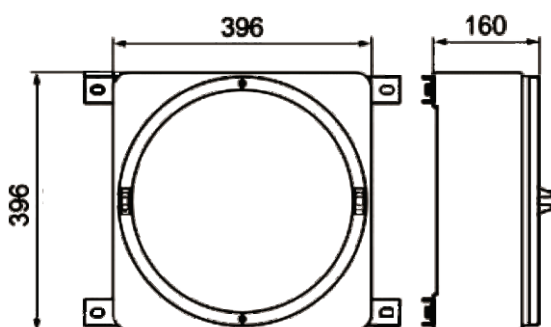
Type II



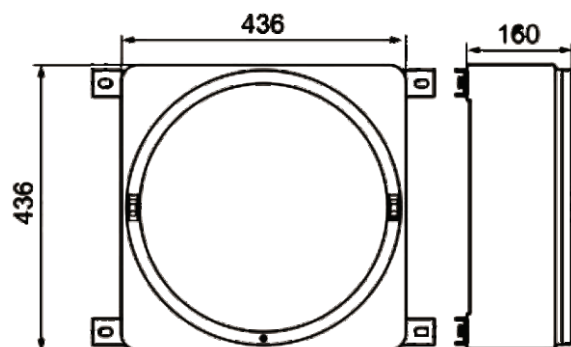
Type III



Type IV



Type V



Type VI