



SPN-d-IIC Series Explosion Proof Panel

Class I Division 1, 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 IIC T6 Gb	Max.250A
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

- To be used in acetylene and hydrogen gas environment, SPN-d-IIC series explosion proof panel is protected by flame proof aluminum housing to prevent the ignition for explosive atmosphere to be widely used for class 1 div 1 group A, B, C, D and zone 1 group IIC. Railed mounted molded case circuit breaker or miniature circuit breaker, explosion proof panelboards provide over-current protection for downstream load and circuit, available 4 sides drilled threaded flame proof hubs for different directions cable wiring.
 - ➡ High strength anti-explosion die-cast aluminum alloy housing for fast energy transmit without deformation when inner explosion occurs
 - ➡ Spigot non-thread joint with cylindrical joint and plane joint of flame proof path to be used in acetylene environment
 - ➡ Blanked or cable gland plugged threaded holes to tight the cable from four directions
 - ➡ Operated buttons or switch handle on the housing cover for quick operation after complete isolation for inner electrical device

Technical Datasheet

Compliances	IEC Standard IEC60079-0, IEC60079-1, IEC60079-31 Ex d IIC T6 Gb Ex tb IIIC T80°C Db IP66 Zone 1, Zone 2 Zone 21, Zone 22	EU Standard EN60079-0, EN60079-7, EN60079-31 ⚠ II 2 G Ex d IIC T6 Gb ⚠ II 2 G Ex tb IIIC T80°C Db IP66 Zone 1, Zone 2 Zone 21, Zone 22	NEC & CEC Standard Class I, Div.1, Group A, B, C, D Class II, Div.1, Group E, F, G Class III
	Copper-free aluminium, grey		
Material	Copper-free aluminium, grey		
Rated Voltage	Max.690V AC		
Rated Current	Max.250A		

IP Grade	Metric or NPT thread type plugs (standard) or cable glands
Ambient Temperature	6x(0.2~2.5)mm ²
Cable Entry	I / II / III / IV / V / VI
Built-in Components	6x(0.2~2.5)mm ²

Catalogue Numbering System

SPN-d-IIC-

<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
Number of Branch Circuit	Branch Current	Main Switch(optional)	Main Switch Current

Mounting Options & Dimensions (mm/inch)

