

#### Type 4X, IP66 Ex d IIC T6 Gb Max.250A

Built-in Circuit Breaker

Zone 21, Zone 22

Zone 1, Zone 2

SPN-d-IIC Series Explosion Proof Panel

Class I Division 1, Group A, B, C, D

Class II Division 1, Group E, F, G

Ex tb IIIC T80°C Db IP66

# **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.

Class III

• 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
  - ➡ Blanked or cable gland plugged threaded holes to tight the cable from four directions
  - Deprated buttons or switch handle on the housing cover for quick operation after complete isolation for inner electrical device

### **Technical Datasheet**

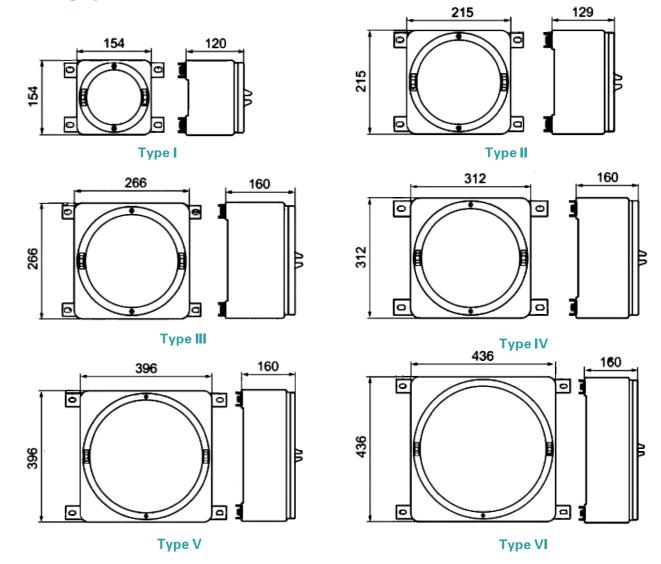
| Compliances   | IEC Standard IEC60079-0, IEC60079-1, IEC60079-31 Ex d IIC T6 Gb Ex tb IIIC T80°C Db IP66 Zone 1, Zone 2 Zone 21, Zone 22 | EU Standard EN60079-0, EN60079-7, EN60079-31  □ II 2 G Ex d IIC T6 Gb □ II 2 G Ex tb IIIC T80°C Db IP66 Zone 1, Zone 2 Zone 21, Zone 22 | NEC & CEC Standard Class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

### **Catalogue Numbering System**

# SPN-d-IIC-



### **Mounting Options & Dimensions (mm/inch)**



21 22