



### SPN-de-IIB Series Explosion Proof Panel

Class I Division 2, Group 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 IIB T6 Gb	Max.250A
Ex tD A21 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

- Constructed with the enclosure combination for flame proof aluminum alloy Ex d housing and increased safety aluminum alloy Ex e housing, SPN-de-IIB series explosion proof panel is defended by dual protection and operated by flame proof threaded switching handle on hubs of the housing cover. A scientific combination for several pieces housing of explosion proof panelboards have both panel function and junction box function meeting parts of complicated need, the hazard class division is class 1 div 2 for group C, D and zone 1 for group IIB.
  - ➡ Flame proof Ex d IIB 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 IIB T6 Gb Ex tD A21 T80°C IP66 Zone 1, Zone 2 Zone 21, Zone 22	EN60079-0, EN60079-1, EN60079-7, EN60079-31 ⚠ II 2 G Ex d e IIB T6 Gb ⚠ II 2 D Ex td IIIC T80°C Db IP66 Zone 1, Zone 2 Zone 21, Zone 22	Class I, Div.2, Group C, D Class II, Div.1, Group E, F, G Class III
Material	Copper-free aluminium, grey		
Rated Voltage	Max.415V AC		
Rated Current	Max.250A		
IP Grade	Wet Locations, Type 4X, IP66		
Ambient Temperature	-20°C~ +55°C /-4° F ~ +131° F		
Cable Entry	Metric or NPT thread type plugs (standard) or cable glands		

### Built-in Components

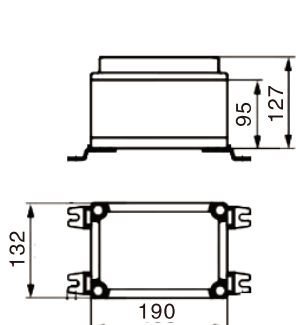
Main Switch (MCB or MCCB), Branch Switch (MCB or MCCB), Indicator, Terminal etc.

## Catalogue Numbering System

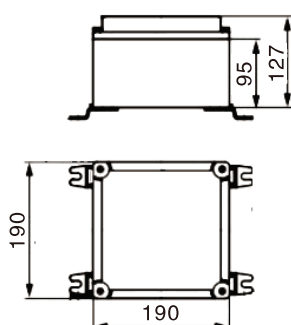
### SPN-de-IIB-

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

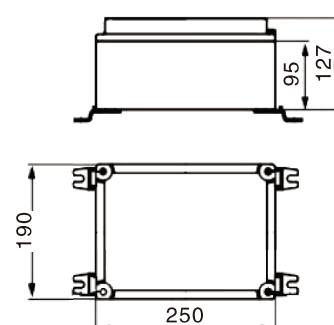
## Mounting Options & Dimensions (mm/inch)



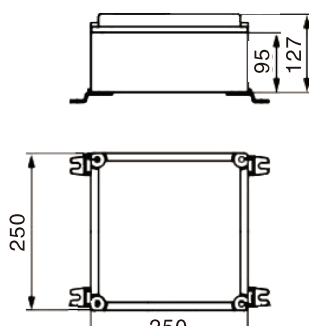
Type I



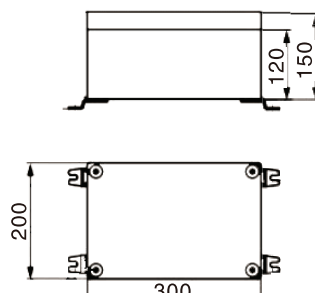
Type II



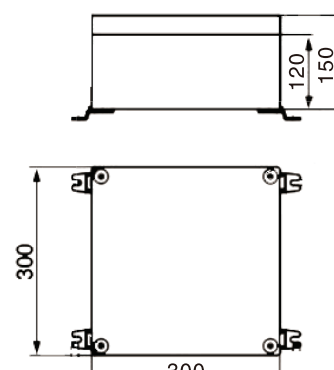
Type III



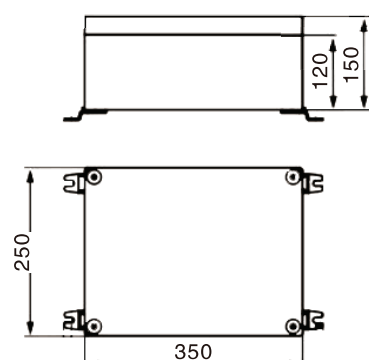
Type IV



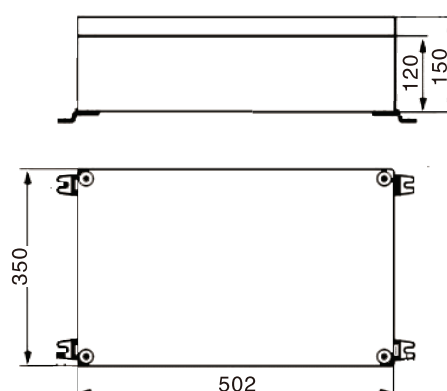
Type V



Type VI



Type VII



Type VIII