



### SJB-IIB Series Explosion Proof Junction Box

Class I Division 1, 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 IIB T6 Gb	Max.25A
Ex tb IIIC T80°C Db IP66	Built-in Terminal Blocks

#### Applications

- Usage by application: Depends on the application field, explosion proof junction box can be used in upstream oil and gas plant, processing refinery and petrochemical plant, fuel related plant, chemical and mining plant and anywhere there is flammable gas, vapor, mist and dust.
- Function: From the filed bus cable to feeder cable, a large number and kinds of resistor and control units will be put among the electrical circuit, explosion proof junction box is to connect one end of cable with another end in an enclosed housing for well-organized branch wiring.

#### Features

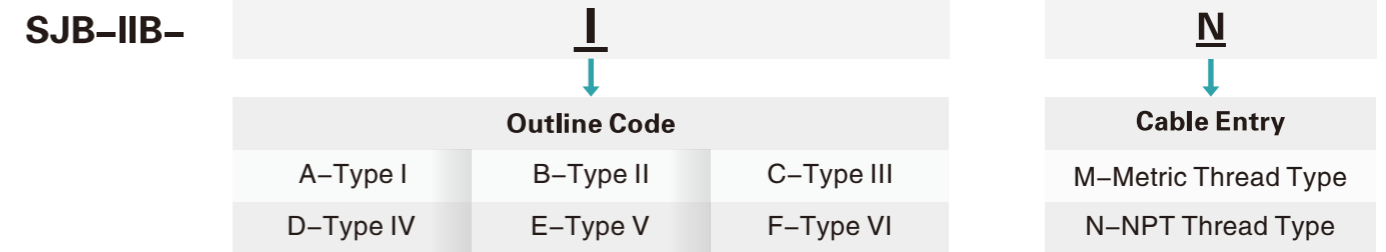
- Designed with 4 available threaded hubs, explosion proof junction box SJB-IIB series can connect conduit system in compact condition to change the conduit direction especially in corners as requested in hazardous location. Available for Metric thread M25x1.5, NPT thread NPT 3/4" and larger hub with adaptors, this flame proof junction box can transfer the electrical circuit within 25 ampere rated current as explosion proof conduit outlet box and dust proof electrical outlets. Hazard class division can be class 1 div 1, group C, D and zone 1, group IIB.
  - Increased safety stud type built-in terminal blocks for tight conductor connection
  - In various ways and numbers of hubs to arrange the incoming and outgoing cables

#### Technical Datasheet

Compliances	<b>IEC Standard</b> IEC60079-0, IEC60079-1, IEC60079-31 Ex d IIB T6 Gb Ex tb IIIC T80°C Db IP66 Zone 1, Zone 2 Zone 21, Zone 22	<b>EU Standard</b> EN60079-0, EN60079-1, EN60079-31 II 2 G Ex d IIB T6 Gb II 2 D Ex tb IIIC T80°C Db IP66 Zone 1, Zone 2 Zone 21, Zone 22	<b>NEC &amp; CEC Standard</b> Class I, Div.1, Group C, D Class II, Div.1, Group E, F, G Class III
Material	Copper-free aluminium, grey		
Switch Function	On-off / Changeover		
Rated Voltage	Max.250V AC		
Rated Current	16A / 25A		
IP Grade	Wet Locations, Type 4X, IP66		

Ambient Temperature	-60°C ~ +60°C / -76° F ~ +140° F
Cable Entry	Metric or NPT thread type plugs (standard) or cable glands
Terminal blocks	3x(2.5~4)mm <sup>2</sup>
Type	I / II / III / IV / V / VI

#### Catalogue Numbering System



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

