

SJB-A-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.400A
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

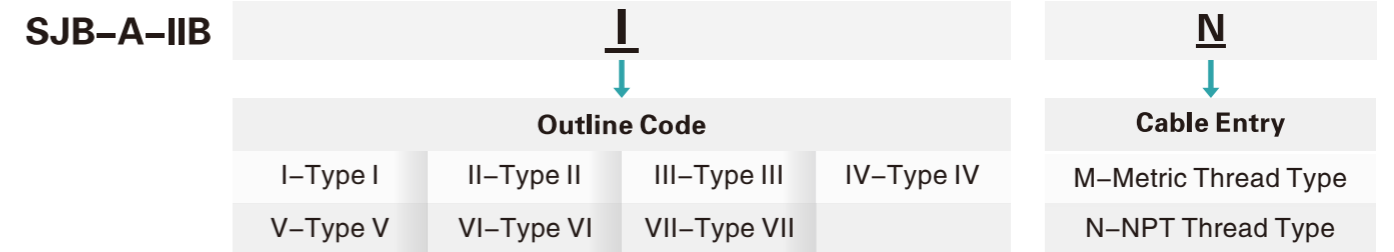
- As a class 1 div 1 junction box requesting the most quantity in flammable gas atmosphere, explosion proof junction box SJB-IA-IIB put the bigger rated current terminal blocks normally higher than 32 amperes in a high strength die cast aluminum flame proof housing to eliminate the hidden danger for explosion. Looked a square shape designed with flat joint surface of flame proof path on housing and cover, this flameproof junction box can be used in class 1 div 1, group C, D and zone 1, group IIB.
 - Varied dimension and size of housing with full inner creepage distance between conductors
 - Plane joint flame proof path for inner explosion for rapid evacuation with low surface roughness

Technical Datasheet

Compliances	IEC Standard 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	EU Standard 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	NEC & CEC Standard Class I, Div.1, Group 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.400A		
IP Grade	Wet Locations, Type 4X, IP66		
Ambient Temperature	-60°C~ +55°C / -76° F ~ +131° F		
Cable Entry	Metric or NPT thread type plugs (standard) or cable glands		

Suitable Cable & Rated Current	2.5mm ²	4mm ²	6mm ²	10mm ²	16mm ²	35mm ²	70mm ²	240mm ²
	24A	32A	41A	57A	76A	125A	192A	400A
Type	I / II / III / IV / V / VI / VII							

Catalogue Numbering System



Mounting Options & Dimensions (mm/inch)

