



SJB-S Series Explosion Proof Junction Box

Class I Division 2, 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 e IIC T6 Gb	Max.125A
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

- Featuring brilliant mechanical impact resistance and excellent corrosion resistance, explosion proof junction box SJB-S series is actually an increased safety stainless steel junction box with good quality terminal blocks. This stainless steel junction can be made of stainless steel 304 or 316 to be used as class 1 div 2 junction box factory-made based on more strict standards than intrinsically safe junction box requirements.
 - ➡ Support rails to assembly terminal blocks in modular way for clear maintenance
 - ➡ Factory sealed stainless steel increased safety explosion proof housing to increase the safety level

Technical Datasheet

Compliances	IEC Standard	EU Standard	NEC & CEC Standard
	IEC60079-0, IEC60079-7, IEC60079-31 Ex e IIC T6 Gb Ex tb IIIC T80°C Db IP66 Zone 1, Zone 2 Zone 21, Zone 22	EN60079-0, EN60079-7, EN60079-31 Ex II 2 G Ex e IIC T6 Gb Ex II 2 D Ex tb IIIC T80°C Db IP66 Zone 1, Zone 2 Zone 21, Zone 22	Class I, Div.2, Group A, B, C, D Class II, Div.1, Group E, F, G Class III
Material	Stainless steel		
Rated Voltage	Max.500V AC		
Rated Current	Max.125A		
IP Grade	Wet Locations, Type 4X, IP66		
Ambient Temperature	-40°C ~ +55°C / -40° 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
	24A	32A	41A	57A	76A	125A
Type	I / II / III / IV / V / VI / VII / VIII					

Catalogue Numbering System

SJB-S

<u>I</u>				<u>M</u>	
↓				↓	
Outline Code				Cable Entry	
I-Type I	II-Type II	III-Type III	IV-Type IV	M-Metric Thread Type	
V-Type V	VI-Type VI	VII-Type VII	VIII-Type VIII	N-NPT Thread Type	

Mounting Options & Dimensions (mm/inch)

