



SJB-IIC Series Explosion Proof Junction Box

Class I Division 1, 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 d IIC 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

- To fit in 1-way, 2-way, 3-way and 4-way threaded hubs arrangement, explosion proof junction box SJB-IIC series install terminal blocks in a rigid light-weight round box to protect the conductor in good manner and provide access for maintenance and future change of conduit layout. Different numbers of pipe blind plugs can be used for spare hubs with standard metric and NPT thread. You can use this explosion junction box, explosion proof conduit outlet box and dust proof electrical outlets in class 1 div 1, group A, B, C, D and zone 1, group IIC.
 - Excellent insulation material made inner terminal blocks to avoid the arcing
 - Various styles of outlets to thread with cable gland and conduit from four sides

Technical Datasheet

Compliances	IEC Standard	EU Standard	NEC & CEC 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	EN60079-0, EN60079-1, EN60079-31 Ex II 2 G Ex d 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.1, Group A, B, C, D Class II, Div.1, Group E, F, G Class III
Material	Copper-free aluminium, grey		
Rated Voltage	Max.500V 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	6x(0.2~2.5)mm ²
Type	I / II / III / IV / V / VI

Catalogue Numbering System

SJB-IIC-

I

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Outline Code

A-Type I

B-Type II

C-Type III

D-Type IV

E-Type V

F-Type VI

N

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Cable Entry

M-Metric Thread Type

N-NPT Thread Type

Mounting Options & Dimensions (mm/inch)

