

SJB-A-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.250A
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

- Among all class 1 div 1 junction box types, explosion proof junction box SJB-A-IIC only occupy 30% because this flameproof junction box can also be used in higher dangerous location of class 1 div 1 group A, B, C, D and zone 1 group IIC with the anti explosion flame proof aluminum housing and more complicated and longer flat or threaded joint surface of flame proof path between housing and cover. This explosion proof junction box can be tailor-made as ATEX junction box zone 1 based on the actual electrical diagram and flame proof junction box specifications in hazardous location.
 - ➡ Spigot joint with both cylindrical joint and plane joint of flame proof path to meet IIC standard
 - ➡ Circular cover structure for convenient opening with flat wrench to protect the flame proof path

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 ⚠ II 2 G Ex d IIC T6 Gb ⚠ 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.690V 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							
Suitable Cable & Rated Current	2.5mm ²	4mm ²	6mm ²	10mm ²	16mm ²	35mm ²	70mm ²	95mm ²
	24A	32A	41A	57A	76A	125A	192A	250A
Type	I / II / III / IV / V / VI							

Catalogue Numbering System

SJB-A-IIC

I

Outline Code

I-Type I

II-Type II

III-Type III

IV-Type IV

V-Type V

VI-Type VI

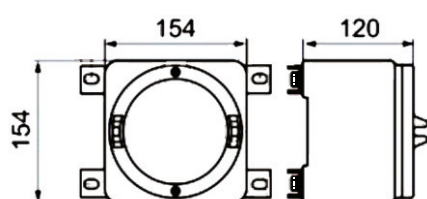
N

Cable Entry

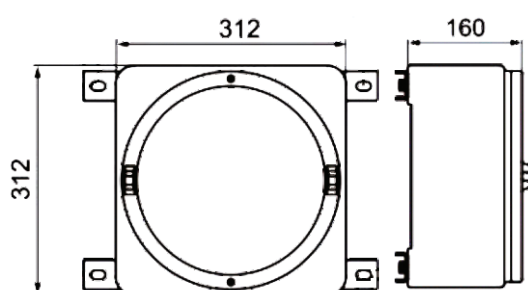
M-Metric Thread Type

N-NPT Thread Type

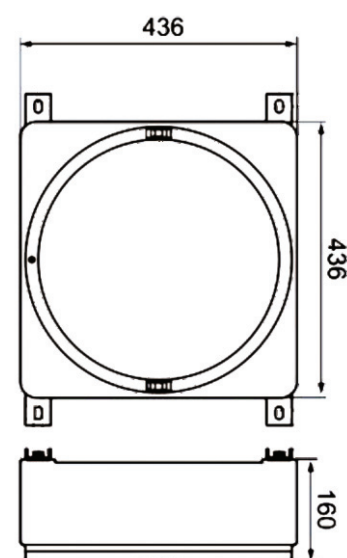
Mounting Options & Dimensions (mm/inch)



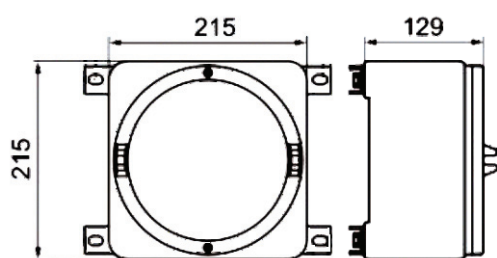
Type I



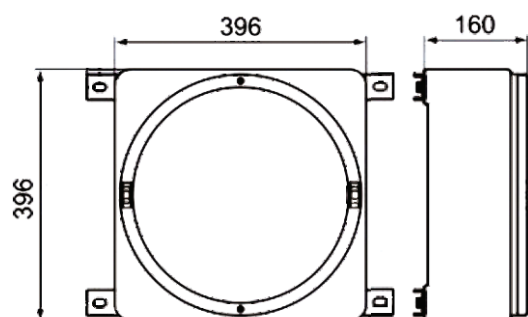
Type IV



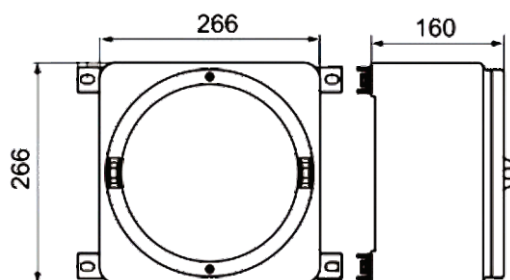
Type VI



Type II



Type V



Type III