



SJB-A-e Series Explosion Proof Junction Box

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|--------------------------------------|--------------------------|
| 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

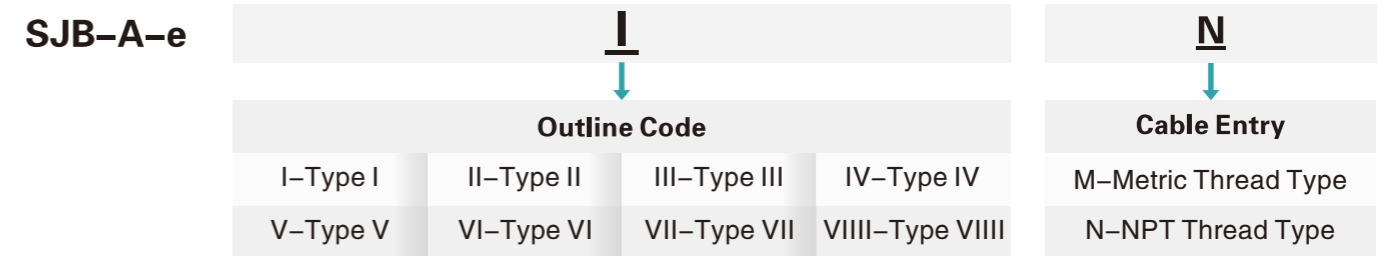
- Born for class 1 div 2 junction box, explosion proof junction box SJB-A-e series is protected by strictly sealed increased safety housing and terminal blocks and can be designed into CAD drawing by our engineer team subject to the class 1 div 2 distance requirement and project junction box arrangement before production, no matter how many feeders and how high the rated current is, our engineer can maximize the flexibility for internal space and future changes to be ATEX approved junction box.
 - High impact resistance aluminum alloy increased safety Ex e housing
 - Scientific rail mounted terminal blocks for concentrated all-in-one layout

Technical Datasheet

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|----------------------------|---|--|--|
| Compliances | IEC 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 | EU Standard EN60079-0, EN60079-7, EN60079-31 ⚠ II 2 G Ex e IIC 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.2, 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.125A | | |
| IP Grade | Wet Locations, Type 4X, IP66 | | |
| Ambient Temperature | -50°C~ +55°C / -58° F ~ +131° F | | |
| Cable Entry | Metric or NPT thread type plugs (standard) or cable glands | | |

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|---|--|------------------|------------------|-------------------|-------------------|-------------------|
| 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



Mounting Options & Dimensions (mm/inch)

