SEL-JBX SERIES MINE-DUTY MEDIUM-VOLTAGE JUNCTION BOX

Description
Littelfuse SEL-JBX series junction boxes are used to provide a convenient point for termination, connection, and splitting of medium-voltage mining cables. The Littelfuse junction box is designed for use in harsh mining applications and features a high-strength enclosure and door, rugged door hinges or bolted door with mounting lips, conservative electrical clearances and corrugated standoffs for use in dusty or humid environments, and optional high-voltage indicators with viewing windows for increased safety. Littelfuse stocks key components and is able to provide quick delivery on a variety of units.

Specifications
- Rugged mine-duty enclosure, 10 ga welded steel, high-strength steel tubing reinforcement
- Special paint finish for corrosive environments
- 5 kV and 15 kV rated units are certified under CSA C22.2 No. 31-10
- Higher voltages carry CSA SPE 1000 Special Inspection
- Tin-plated copper bus
- Heavy duty bolted door with handles
- Stainless-steel hardware
- Mounting lip to hold door when installing or removing door bolts
- Corrugated 15 kV standoff to provide increased creep distances for dusty environment
- Cut-outs with cover plates for cable entry/exit
- High-Voltage warning labels

Options
Littelfuse is able to design and supply junction boxes for a wide range of different applications. Options include, but are not limited to:
- Number of cables in and out
- Placement of cable cut-outs
- ¼” Steel-plate construction
- Insulators sized to system fault levels
- Various gland-plate options for cable connectors
- Hinged door
- Number and type of lugs on phase bus
- 25 kV units available
- Grounding equipment (ground balls, copper angles, lugs, etc)
- Viewing/IR windows
- Voltage indication lights
- Disconnect switch
- Mounting – wall, skid, t-plate, etc.
- Ground-check circuit interlocking to door
- Outdoor construction with gaskets and anti-condensation heaters
- Stainless steel enclosures
- Posi clamp
**Testing and Warranty**

All Littelfuse SEL-JBX Series junction boxes are fully tested, including:

- All bolts, seals, and joints are tested
- HV Indicators are tested
- Labelling is inspected
- Switches (if included) are tested for operation, including local and/or remote operators, interlocks, cabling, connections, etc
- Extensive photos are taken and archived for future use
- High-potential (high-pot) testing
- Optional heat-run testing
- Optional impulse testing
- Optional BIL rating to 110 KV

Warranty is 12 months from date of placement in service or 18 months from date of shipping. Extended warranties available.

**Codes, Standards, & Regulations**

The SEL-JBX Mine-Duty Medium-Voltage Junction Box is CSA certified.

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**Ordering Information**

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