

# A.T.X.<sup>®</sup> JBEL and JBEP Series Polycarbonate and Polyester Junction Boxes

## Increased Safety

Furnished complete with Terminals.

Zone 1 and 2 – 21 and 22

⊕ II 2 GD  
ATEX / IEC  
IP66 – IK10

### Applications

- Small terminal junction boxes designed to facilitate electrical connections in hazardous areas.
- Designed for use in Zone 1 or 2 areas, where flammable gases or vapors are present either continuously or intermittently such as:
  - Petroleum
  - Chemical
  - Refineries
  - Other industrial process facilities
- Ideal for wet or corrosive atmospheres.
- Designed for use in Zone 21 or 22 areas where flammable dusts are present either continuously or intermittently such as:
  - Food processing
  - Dairy
  - Brewing
  - Other commercial facilities

### Features

- Pillar type terminal block for easy connection.
- Available in two sizes: 0.006 in<sup>2</sup>/4 mm<sup>2</sup> or 0.016 in<sup>2</sup>/10 mm<sup>2</sup> for polycarbonate version and up to 0.009 in<sup>2</sup>/6 mm<sup>2</sup> for polyester version.
- Unarmored or armored versions with earth continuity brass device.
- Operating temperature -40 °F/-40 °C to 131 °F/55 °C for polycarbonate version and -67 °F/-55 °C to 140 °F/60 °C for polyester version.

### Standard Materials

- JBEL Series
  - Enclosure: static and impact resistant polycarbonate
  - Cover gasket: polyurethane
  - Hardware: stainless steel
- JBEP Series
  - Enclosure: static resistant carbon filled fiberglass reinforced polyester (FRP)
  - Hardware: stainless steel

### Certifications and Complies

- Certification Type BJe1
  - Gas, Zones 1 and 2
    - Conforming to ATEX 94/9/CE: CE 0081 ⊕ II 2 G
    - ATEX/IEC Protection: Ex e II
    - T Rating: T6
  - Dust, Zones 21 and 22
    - Conforming to ATEX 94/9/CE: CE 0081 ⊕ II 2 D
    - ATEX/IEC Protection: Ex td A21
    - Surface Temperature: T75 °C
  - Ambient Temperature: -40 °F/-40 °C to 131 °F/55 °C
  - CE Declaration of Conformity: 50226
  - ATEX Certificate: LCIE 02 ATEX 6069
  - IECEx Certificate: LCIE Ex 02.008
- Certification Type BJe2
  - Gas, Zones 1 and 2
    - Conforming to ATEX 94/9/CE: CE 0081 ⊕ II 2 G
    - ATEX/IEC Protection: Ex e II
    - T Rating: T6
  - Dust, Zones 21 and 22
    - Conforming to ATEX 94/9/CE: CE 0081 ⊕ II 2 D
    - ATEX/IEC Protection: Ex td A21
    - Surface Temperature: T80 °C
  - Ambient Temperature: -40 °F/-40 °C to 131 °F/55 °C
  - CE Declaration of Conformity: 50209

JBEL for Unarmored Cable



JBEL for Armored Cable



JBEP with Pillar Terminals



JBEP with Screw Terminals



- ATEX Certificate: LCIE 99 ATEX 6003
- IECEx Certificate: LCIE Ex 99.005
- Certification Type CSPe
  - Gas, Zones 1 and 2
    - Conforming to ATEX 94/9/CE: CE 0081 ⊕ II 2 G
    - ATEX/IEC Protection: Ex e II, Ex ia IIC, Ex ib IIC, EX de IIC,
    - T Rating: T6
  - Dust, Zones 21 and 22
    - Conforming to ATEX 94/9/CE: CE 0081 ⊕ II 2 D
    - ATEX/IEC Protection: Ex td A21
    - Surface Temperature: T75 °C
  - Ambient Temperature: -67 °F/-55 °C to 140 °F/60 °C
  - CE Declaration of Conformity: 50284
  - ATEX Certificate: LCIE 09 ATEX 3032X
  - IECEx Certificate: IECx LCI 09.0016X
- Other Certifications: GOST
- Ingress Protection (solid and liquid): IP66
- Impact Resistance (shock): IK10
- Ex Standards: EN/IEC 60079-0; 60079-7; 61241-0, 61241-1
- Other Standards: EN/IEC 60529 (IP), 62262 (IK)

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### JBEP Series With Pillar Terminals

Type	Equipment	Entry Layout	Weight lb/kg	Volume in <sup>3</sup> /dm <sup>3</sup>	Catalog Number	Pack
<b>Supplied with 4 connection terminals. Maximum capacity per terminal: 0.006 x 0.009 in<sup>2</sup> / 4 x 6 mm<sup>2</sup> – Rating 30 Amps</b>						
CSPe1	2 x M20 at bottom with earth continuity device		2.20/1.0	244.09/4.0	<b>JBEP3A2M20</b>	1
CSPe1	2 x M20 at bottom with two cable glands for unarmoured cable (diameter 0.26" to 0.57"/6.5 to 14.5 mm)		2.65/1.2	244.09/4.0	<b>JBEP3N2M20G</b>	1
CSPe1	4 x M20 with earth continuity device and two blanking plugs		2.65/1.2	244.09/4.0	<b>JBEP3A4M20</b>	1
CSPe1	4 x M20 with four cable glands for unarmoured cable (diameter 0.26" to 0.57"/6.5 to 14.5 mm)		2.65/1.2	244.09/4.0	<b>JBEP3N4M20G</b>	1
<b>Supplied with 8 connection terminals. Maximum capacity per terminal: 0.006 x 0.009 in<sup>2</sup> / 4 x 6 mm<sup>2</sup> – Rating 30 Amps</b>						
CSPe2	4 x M20 with earth continuity device and two blanking plugs		3.09/1.4	244.09/4.0	<b>JBEP4A4M20</b>	1
CSPe2	4 x M20 with four cable glands for unarmoured cable (diameter 0.26" to 0.57"/6.5 to 14.5 mm)		3.09/1.4	244.09/4.0	<b>JBEP4N4M20G</b>	1
CSPe2	6 x M20 with earth continuity device and two blanking plugs		3.09/1.4	244.09/4.0	<b>JBEP4A6M20</b>	1
CSPe2	6 x M20 with six cable glands for unarmoured cable (diameter 0.26" to 0.57"/6.5 to 14.5 mm)		3.09/1.4	244.09/4.0	<b>JBEP4N6M20G</b>	1



Enclosures and Junction Boxes

ENCLOSURES AND JUNCTION BOXES: HAZARDOUS LOCATION OUTLET BOXES – CABLE

# A.T.X.<sup>®</sup> JBEL and JBEP Series Polycarbonate and Polyester Junction Box Dimensions

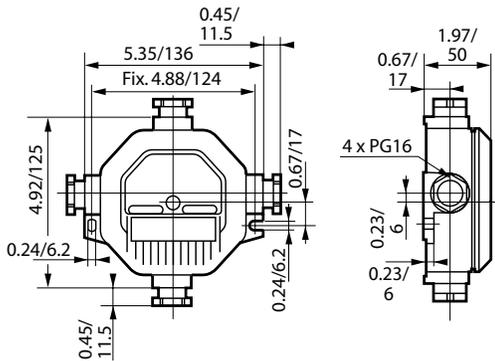
## Increased Safety

Furnished complete with Terminals.

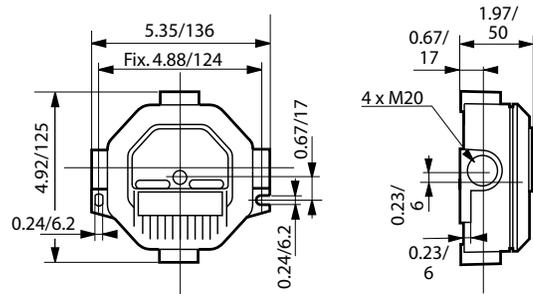
### Dimensions in Inches/Millimeters

#### JBEL Series

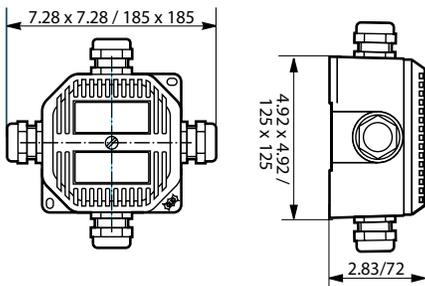
**BJe1 with Cable Glands for Unarmored Cables**



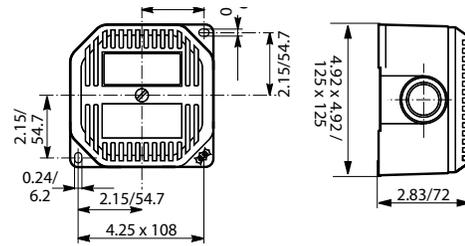
**BJe1 without Cable Glands for Armored Cables**



**BJe2 with Cable Glands for Unarmored Cables**

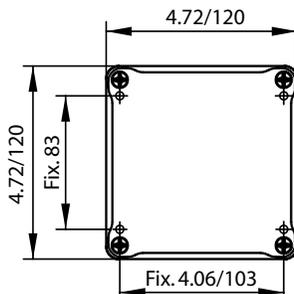


**BJe2 without Cable Glands for Armored Cables**



#### JBEP Series

**CSPe1**



**CSPe2**

