

ATX™ JBEP Series FRP Terminal Junction Boxes for Electrical and Power Applications

Fiberglass Reinforced Polyester. Increased Safety. Factory Drilled and Equipped.

NEC/CEC:
Class I, Zone 1, AEx e IIC, T5 or T6
Ex e IIC, T5 or T6
IP66

ATEX/IECEx:
Zone 1 and 2 – 21 and 22
Ex II 2 GD
IP66 – IK10

Applications

- Electrical junction boxes are used to distribute power to lighting and to other Power and control circuits.
- Power junction boxes are used to connect cables together to supply main lighting circuits, motors, service receptacles and other equipment.
- Designed for Zones 1 or 2 areas, where flammable gases or vapors are present either continuously, often or accidentally such as:
 - Petroleum
 - Chemical
 - Refineries
 - Other industrial process facilities
- Ideal for indoor/outdoor use with wet or corrosive atmospheres.
- Designed for use in Zones 21 or 22 areas where flammables dusts (conductive and non conductive) are present either continuously, often or accidentally such as:
 - Food processing
 - Dairy
 - Brewing
 - Other industrial process facilities

Features

- Available in multiple terminal configurations.
- Supplied with terminals Size 2.5 mm² (14AWG) through 240 mm² (474MCM).
- Optional external hinged enclosures:
 - Reversible door opening 120°.
 - Door with double bar lock.
 - Key locking facility.

Standard materials

- Enclosures: Static resistant carbon filled fiberglass reinforced polyester (FRP)
- Hardware: stainless steel
- Gasket for sizes 85 x 85, 120 x 120: silicone
- Gasket for other sizes: EPDM (ethylene propylene diene monomer rubber)

Options

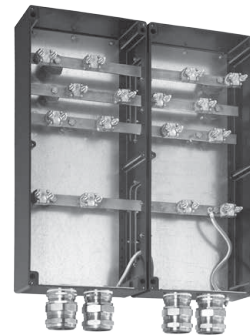
- External hinges are available on the following sizes:
 - 500 x 320 x 150
 - 500 x 320 x 230
 - 750 x 320 x 150
 - 750 x 320 x 230
- Removable glands plates
- Nameplates
- Mounting pan
- Inside pocket for document
- Consult factory for custom drilling, assembly requirements and other ambient temperatures.

NEC/CEC Certifications and Compliances

- UL Standard: UL 60079-0; 60079-7
- CSA Standard: C22.2 No. 60079-0: 11; 60079-7: 12
- cSAus Certified: 2625458
- CSA Listed: 013017



Un-Armored Cable Glands are Supplied as Standard.
Armored Cable Glands are available as an Option.



Sample of 2 x JBEP753215

ATEX/IECEx Certifications and Compliances ①

- Certification Type JBEP
 - Gas, Zones 1 and 2:
 - Conforming to ATEX 94/9/EC: Ex II 2G
 - Conforming to IECEx : EPL Gb
 - Type of Protection: Ex eb IIC
 - Temperature Class: T6 for Ta ≤ +40 °C (+104 °F) and T5 for Ta ≤ +60 °C (+140 °F)
 - Dusts, Zones 21 and 22:
 - Conforming to ATEX: Ex II 2D
 - Conforming to IECEx: EPL Db
 - Type of Protection: Ex tb IIIC
 - Surface Temperature : T60 °C (T140 °F) for Ta ≤ +40 °C (+104 °F), T90 °C (+194 °F) for Ta ≤ +60 °C (+140 °F)
- Ambient Temperatures: -55 °C ≤ Ta ≤ +60 °C (-67 °F ≤ Ta ≤ +140 °F)
- ATEX Certificate : LCIE 12 ATEX 3037X
- EC Declaration of Conformity : 50291
- IECEx Certificate : IECEx LCIE 13.0003X
- Index of Protection according EN/IEC 60529: IP66

① The ambient temperature for complete assembly is equal to the lowest ambient temperature of the components used.

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Components Ambient Temperature ①

- Type : Bve (plastic close up plug)
— Ambient Temperatures : -40 °C to +55 °C (-40 °F to +131 °F)
- Type : 757 (nickel plated close up plug)
— Ambient Temperatures : -60 °C to +100 °C (-40 °F to +212 °F)
- Type : EEXe (plastic cable gland)
— Ambient Temperatures : -20 °C to +55 °C (-4 °F to +131 °F)
- Type : E1FX, E2FX, E1FW, E2FW, T3, A2F (metal cable gland)
— Ambient Temperatures : -60 °C to +130 °C (-76 °F to +266 °F)
- Type : PX, PX2K (metal cable gland)
— Ambient Temperatures : -60 °C to +100 °C (-76 °F to +212 °F)
- Type : DBE (drain/breather)
— Ambient Temperatures : -50 °C to +85 °C (-58 °F to +185 °F)
- Type : WDU, WFF (terminal)
— Ambient Temperatures : -50 °C to +120 °C (-58 °F to +248 °F)
- Type : SAK, AKZ (terminal)
— Ambient Temperatures : -50 °C to +100 °C (-58 °F to +212 °F)

EURASEC Certification

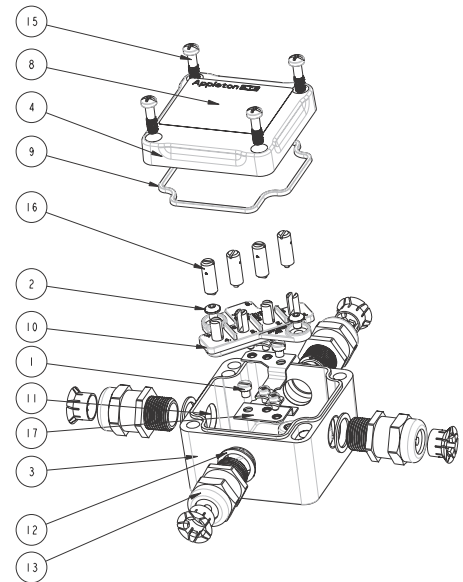
- Type : JBEP
— EURASEC N° TC RU C-FR.Г505.B.00911

Other Certifications

- Type : JBEP
— INMETRO Certificate: BVC 13.3238-X ②

Illustrated Features — Sample of JBEP080806NE04T

Description	
1	Screw M5 X 6
2	JBEP0808060 - Base Holes: 3 x Ø 20.5
3	Cover Of Polyester Box Type (85 x 85 x 60)
4	Hood Terminals Compact Set
8	Nameplate
9	Gasket Box Type 85 x 85 x 60
10	Pan Head Screw M4 X 7
11	Entry Thread Seal M20
12	Nickel-Plated Brass Locknuts M20 X 1.5
13	EEx e M20 Cable Gland
15	Screw M6 X 20 X 10
16	Hood Term Cover
17	Earth Plate



① The ambient temperature for complete assembly is equal to the lowest ambient temperature of the components used.
② INMETRO certification available on special request only. Contact your local sales representative for more information.

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The Catalog Numbering Guide is a reference tool to explain the make-up of the catalog number. It is not to be used to create a custom product for ordering.

Catalog Numbering Guide - JBEP Polyester Junction Boxes for Electrical and Power Applications

JBE	P	08	08	06	A	E	01	T
Series: JBE - NEC/ CEC and ATEX/IECEX Certified Junction Box	Material: P - Polyester	Dimensions Height mm (in): 08 - 85 (3.35) 12 - 120 (4.72) 17 - 170 (6.69) 20 - 200 (7.87) 25 - 250 (9.84) 32 - 320 (12.60) 50 - 500 (19.69) 75 - 750 (29.53)	Dimensions Width mm (in): 08 - 85 (3.35) 12 - 120 (4.72) 17 - 170 (6.69) 21 - 215 (8.47) 25 - 250 (9.84) 32 - 320 (12.60) 50 - 500 (19.69) 75 - 750 (29.53)	Dimensions Depth mm (in): 06 - 60 (2.36) 09 - 91 (3.58) 09S - 91 (3.58) ① 10 - 95 (3.74) 15 - 150 (5.91) 23 - 230 (9.06)	Cable Type: A - Armored N - Non-Armored	Options: <i>(Options must be listed alphabetically)</i> E - Electrical: 2.5 mm ² (14AWG) x 10 mm ² (6AWG) P - Power: 16 mm ² (6AWG) to 240 mm ² (474MCM)	Suffix: 01 to 99 Assigned at Factory	Other Suffix: T - Mantle Clamping (Pillar Terminals)

① 09S Internal dimensions are 0.9 mm (0.035 in) less than the 09 internal dimensions.

ATX™ JBEP Series FRP Terminal Junction Boxes for Electrical and Power Applications

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Maximum Capacity Per Terminal: 4 x 2.5 mm² or 2 x 4 mm² + 2 x 2.5 mm²; 4 x 6 mm² or 3 x 10 mm² + 4 mm²

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JBEP080806NE04T

Ex eb IIC Factory Drilled JBEP Polyester Junction Boxes Equipped with 4 Live Mantle Clamping (Pillar Terminals) and 1 Earth Terminal Per Way

Maximum capacity per terminal:

- 4 x 2.5 mm² or 2 x 4 mm² + 2 x 2.5 mm², 550 Volts

Maximum capacity per earth terminal:

- 1 x 4 mm²

Rating (Amps):

- 28 Amps for 2.5 mm², 38 Amps for 4 mm²

Enclosure Type	Equipment	Entry Layout	Weight kg (lb)	Volume dm ³ (in ³)	Dimensions – mm (in)	Catalog Number
JBEP0808060	3 x M20 with earth continuity sheet		0.42 (0.93)	0.44 (26.9)	85 x 85 x 61 (3.35 x 3.35 x 2.40)	JBEP080806AE03T
JBEP0808060	3 x M20 with three cable glands for unarmored cable – diameter 6.5 to 14.5 mm (0.26 to 0.57 in)		0.45 (0.99)	0.44 (26.9)	85 x 85 x 61 (3.35 x 3.35 x 2.40)	JBEP080806NE03T
JBEP0808060	4 x M20 with earth continuity sheet		0.43 (0.95)	0.44 (26.9)	85 x 85 x 61 (3.35 x 3.35 x 2.40)	JBEP080806AE04T
JBEP0808060	4 x M20 with four cable glands for unarmored cable – diameter 6.5 to 14.5 mm (0.26 to 0.57 in)		0.48 (1.06)	0.44 (26.9)	85 x 85 x 61 (3.35 x 3.35 x 2.40)	JBEP080806NE04T

Ex eb IIC Factory Drilled JBEP Polyester Junction Boxes Equipped with 5 Live Mantle Clamping (Pillar Terminals) and 1 Earth Terminal Per Way

Maximum capacity per terminal:

- 4 x 6 mm² or 3 x 10 mm² + 4 mm², 690 Volts

Maximum capacity per earth terminal:

- 1 x 10 mm²

Rating (Amps):

- 28 Amps for 2.5 mm², 38 Amps for 4 mm², 42 Amps for 10 mm²

Enclosure Type	Equipment	Entry Layout	Weight kg (lb)	Volume dm ³ (in ³)	Dimensions – mm (in)	Catalog Number
JBEP121209S0	3 x M20 with earth continuity sheet		0.85 (1.87)	1.31 (80.0)	120 x 120 x 91 (4.72 x 4.72 x 3.58)	JBEP121209AE03T
JBEP121209S0	3 x M25 with three cable glands for unarmored cable – diameter 8 to 17 mm (0.31 to 0.67 in) ②		0.9 (1.98)	1.31 (80.0)	120 x 120 x 91 (4.72 x 4.72 x 3.58)	JBEP121209NE13T
JBEP121209S0	4 x M20 with earth continuity sheet		0.88 (1.94)	1.31 (80.0)	120 x 120 x 91 (4.72 x 4.72 x 3.58)	JBEP121209AE04T
JBEP121209S0	4 x M25 with four cable glands for unarmored cable – diameter 8 to 17 mm (0.31 to 0.67 in) ②		0.95 (2.09)	1.31 (80.0)	120 x 120 x 91 (4.72 x 4.72 x 3.58)	JBEP121209NE14T

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Zone 1 and 2 – 21 and 22
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IP66 – IK10

Ex eb IIC Factory Drilled JBEP Polyester Junction Boxes Equipped with 8 Live Mantle Clamping (Pillar Terminals) and 1 Earth Terminal Per Way

Maximum capacity per terminal:

- 4 x 6 mm² or 3 x 10 mm² + 4 mm², 690 Volts

Maximum capacity per earth terminal:

- 1 x 10 mm²

Rating (Amps):

- 28 Amps for 2.5 mm², 38 Amps for 4 mm², 42 Amps for 10 mm²

Enclosure Type	Equipment	Entry Layout	Weight kg (lb)	Volume dm ³ (in ³)	Dimensions – mm (in)	Catalog Number
JBEP1717090	4 x M20 with earth continuity sheet		1.63 (3.59)	8.91 x 10 ⁸ (54.3)	170 x 170 x 91 (6.69 x 6.69 x 3.58)	JBEP171709AE04T
JBEP1717090	4 x M20 with three cable glands for unarmored cable – diameter 6.5 to 14.5 mm (0.26 to 0.57 in)		1.55 (3.42)	8.91 x 10 ⁸ (54.3)	170 x 170 x 91 (6.69 x 6.69 x 3.58)	JBEP171709NE04T
JBEP1717090	6 x M20 with earth continuity sheet		1.55 (3.42)	8.91 x 10 ⁸ (54.3)	170 x 170 x 91 (6.69 x 6.69 x 3.58)	JBEP171709AE06T
JBEP1717090	6 x M20 with three cable glands for unarmored cable – diameter 6.5 to 14.5 mm (0.26 to 0.57 in)		1.65 (3.64)	8.91 x 10 ⁸ (54.3)	170 x 170 x 91 (6.69 x 6.69 x 3.58)	JBEP171709NE06T
JBEP1717090	4 x M25 with earth continuity sheet		1.62 (3.57)	8.91 x 10 ⁸ (54.3)	170 x 170 x 91 (6.69 x 6.69 x 3.58)	JBEP171709AE14T
JBEP1717090	4 x M25 with four cable glands for unarmored cable – diameter 8 to 17 mm (0.31 to 0.67 in)		1.60 (3.53)	8.91 x 10 ⁸ (54.3)	170 x 170 x 91 (6.69 x 6.69 x 3.58)	JBEP171709NE14T
JBEP1717090	6 x M25 with earth continuity sheet		1.55 (3.42)	8.91 x 10 ⁸ (54.3)	170 x 170 x 91 (6.69 x 6.69 x 3.58)	JBEP171709AE16T
JBEP1717090	6 x M25 with four cable glands for unarmored cable – diameter 8 to 17 mm (0.31 to 0.67 in)		1.65 (3.64)	8.91 x 10 ⁸ (54.3)	170 x 170 x 91 (6.69 x 6.69 x 3.58)	JBEP171709NE16T

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Maximum Capacity Per Terminal: 2 x 4 mm²

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II 2 GD
IP66 – IK10



JBEP080806AE05

Ex eb IIC Factory Drilled JBEP Polyester Junction Boxes Equipped with 4 Screw Terminals and 2 Earth Terminals

- 2 x 4 mm² terminals (MBK3), Rating 24 Amps, 275 Volts
MBK3/E-Z and MSLKG2.5

Enclosure Type	Equipment	Entry Layout	Weight kg (lb)	Volume dm ³ (in ³)	Dimensions – mm (in)	Terminal Jumped Catalog Number
Configuration: P + N (1PE + 2L + 2N + 1PE)						
JBEP0808060	3 x M20 with earth continuity device		0.40 (0.88)	0.44 (26.9)	85 x 85 x 61 (3.35 x 3.35 x 2.40)	JBEP080806AE03
JBEP0808060	3 x M20 with four cable glands for unarmored cable – diameter 6.5 to 14.5 mm (0.26 to 0.57 in)		0.42 (0.93)	0.44 (26.9)	85 x 85 x 61 (3.35 x 3.35 x 2.40)	JBEP080806NE03
JBEP0808060	4 x M20 with earth continuity device		0.40 (0.88)	0.44 (26.9)	85 x 85 x 61 (3.35 x 3.35 x 2.40)	JBEP080806AE05
JBEP0808060	4 x M20 with four cable glands for unarmored cable – diameter 6.5 to 14.5 mm (0.26 to 0.57 in)		0.45 (0.99)	0.44 (26.9)	85 x 85 x 61 (3.35 x 3.35 x 2.40)	JBEP080806NE05

Ex eb IIC Factory Drilled JBEP Polyester Junction Boxes Equipped with 4 Screw Terminals and 2 Earth Terminals

- 2 x 4 mm² terminals (MBK3)
MBK3/E-Z and MSLKG2.5

Enclosure Type	Equipment	Entry Layout	Weight kg (lb)	Volume dm ³ (in ³)	Dimensions – mm (in)	Catalog Number
Configuration: P + N (1PE + 1 + 2 + 3 + 4 + 1PE)						
JBEP0808060	2 x M20 with earth continuity device, rated Ex eb IIC		0.40 (0.88)	0.44 (26.9)	85 x 85 x 60 (3.35 x 3.35 x 2.36)	JBEP080806AE22
JBEP0808060	2 x M20 with earth continuity device, rated Ex ia IIC		0.45 (0.99)	0.44 (26.9)	85 x 85 x 60 (3.35 x 3.35 x 2.36)	JBEP080806AE23

Ex eb IIC Factory Drilled JBEP Polyester Junction Boxes Equipped with 6 Screw Terminals and 2 Earth Terminals

- 2 x 4 mm² terminals (MBK3), Rating 24 Amps, 275 Volts
MBK3/E-Z and MSLKG2.5

Enclosure Type	Equipment	Entry Layout	Weight kg (lb)	Volume dm ³ (in ³)	Dimensions – mm (in)	Catalog Number
Configuration: P + N (1PE + 1 + 2 + 3 + 4 + 5 + 6 + 1PE)						
JBEP0808060	4 x M20 with earth continuity device, rated Ex eb IIC		0.40 (0.88)	0.44 (26.9)	85 x 85 x 60 (3.35 x 3.35 x 2.36)	JBEP080806AE24
JBEP0808060	4 x M20 with earth continuity device, rated Ex ia IIC		0.45 (0.99)	0.44 (26.9)	85 x 85 x 60 (3.35 x 3.35 x 2.36)	JBEP080806AE25

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Maximum Capacity Per Terminal: 2 x 4 mm²; 2 x 6 mm²

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ATEX/IECEX:
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IP66 – IK10



JBEP121209AE07

Ex eb IIC Factory Drilled JBEP Polyester Junction Boxes Equipped with 4 Screw Terminals and 2 Earth Terminals

- 2 x 4 mm² terminals (WDU4N), Rating 27 Amps, 275 Volts

Enclosure Type	Equipment	Entry Layout	Weight kg (lb)	Volume dm ³ (in ³)	Dimensions – mm (in)	Terminal Jumped Catalog Number
Configuration: P + N (1PE + 2L + 2N + 1PE)						
JBEP121209S0	4 x M20 with earth continuity device		0.89 (1.96)	1.31 (80.0)	120 x 120 x 91 (4.72 x 4.72 x 3.58)	JBEP121209AE07
JBEP121209S0	4 x M25 with four cable glands for unarmored cable – diameter 8 to 17 mm (0.31 to 0.67 in)		0.93 (2.05)	1.31 (80.0)	120 x 120 x 91 (4.72 x 4.72 x 3.58)	JBEP121209NE08

Ex eb IIC Factory Drilled JBEP Polyester Junction Boxes Equipped with 4 Screw Terminals and 2 Earth Terminals

- 2 x 6 mm² terminals (WDU6), Rating 36 Amps, 550 Volts

Enclosure Type	Equipment	Entry Layout	Weight kg (lb)	Volume dm ³ (in ³)	Dimensions – mm (in)	Terminal Jumped Catalog Number
Configuration: P + N (1PE + 2L + 2N + 1PE)						
JBEP121209S0	4 x M20 with earth continuity device		1.00 (2.20)	1.31 (80.0)	120 x 120 x 91 (4.72 x 4.72 x 3.58)	JBEP121209AE45
JBEP121209S0	4 x M25 with four cable glands for unarmored cable – diameter 8 to 17 mm (0.31 to 0.67 in)		1.00 (2.20)	1.31 (80.0)	120 x 120 x 91 (4.72 x 4.72 x 3.58)	JBEP121209NE46
JBEP121209S0	4 x M20 with earth continuity device		0.96 (2.12)	1.31 (80.0)	120 x 120 x 91 (4.72 x 4.72 x 3.58)	JBEP121209AE47
JBEP121209S0	4 x M25 with four cable glands for unarmored cable – diameter 8 to 17 mm (0.31 to 0.67 in)		1.00 (2.20)	1.31 (80.0)	120 x 120 x 91 (4.72 x 4.72 x 3.58)	JBEP121209NE48

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Maximum Capacity Per Terminal: 2 x 4 mm²

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ATEX/IECEX:
Zone 1 and 2 – 21 and 22
II 2 GD
IP66 – IK10



JBEP121209NE26

Ex eb IIC Factory Drilled JBEP Polyester Junction Boxes Equipped with 6 Screw Terminals and 2 Earth Terminals

- 2 x 4 mm² terminals (MBK3/E-Z and MSLKG2.5), Rating 24 Amps, 275 Volts

Enclosure Type	Equipment	Entry Layout	Weight kg (lb)	Volume dm ³ (in ³)	Dimensions – mm (in)	Terminal Jumped Catalog Number
Configuration: TP (1PE + 2L1 + 2L2 + 2L3 + 1PE)						
JBEP1212090	4 x M20 with earth continuity device		0.88 (1.94)	1.31 (80.0)	120 x 120 x 91 (4.72 x 4.72 x 3.58)	JBEP121209AE25
JBEP1212090	4 x M25 with four cable glands for unarmored cable – diameter 8 to 17 mm (0.31 to 0.67 in)		0.87 (1.92)	1.31 (80.0)	120 x 120 x 91 (4.72 x 4.72 x 3.58)	JBEP121209NE26
JBEP1212090	4 x M20 with earth continuity device		0.84 (1.85)	1.31 (80.0)	120 x 120 x 91 (4.72 x 4.72 x 3.58)	JBEP121209AE27
JBEP1212090	4 x M25 with four cable glands for unarmored cable – diameter 8 to 17 mm (0.31 to 0.67 in)		0.88 (1.94)	1.31 (80.0)	120 x 120 x 91 (4.72 x 4.72 x 3.58)	JBEP121209NE28

Ex eb IIC Factory Drilled JBEP Polyester Junction Boxes Equipped with 12 Screw Terminals and 3 Earth Terminals

- 2 x 4 mm² terminals (WDU4), Rating 22 Amps, 690 Volts

Enclosure Type	Equipment	Entry Layout	Weight kg (lb)	Volume dm ³ (in ³)	Dimensions – mm (in)	Terminal Jumped Catalog Number
Configuration: TP + N (1PE + 3L1 + 3L2 + 3L3 + 3N + 2PE)						
JBEP1717090	4 x M25 with earth continuity device		1.54 (3.40)	2.63 (160.49)	170 x 170 x 91 (6.69 x 6.69 x 3.58)	JBEP171709AE46
JBEP1717090	4 x M25 with four cable glands for unarmored cable – diameter 8 to 17 mm (0.31 to 0.67 in)		1.54 (3.40)	2.63 (160.49)	170 x 170 x 91 (6.69 x 6.69 x 3.58)	JBEP171709NE46
JBEP1717090	6 x M20 with earth continuity device		1.54 (3.40)	2.63 (160.49)	170 x 170 x 91 (6.69 x 6.69 x 3.58)	JBEP171709AE47
JBEP1717090	6 x M20 with four cable glands for unarmored cable – diameter 6.5 to 14.5 mm (0.26 to 0.57 in)		1.54 (3.40)	2.63 (160.49)	170 x 170 x 91 (6.69 x 6.69 x 3.58)	JBEP171709NE47
JBEP1717090	6 x M25 with earth continuity device		1.54 (3.40)	2.63 (160.49)	170 x 170 x 91 (6.69 x 6.69 x 3.58)	JBEP171709AE48
JBEP1717090	6 x M25 with four cable glands for unarmored cable – diameter 8 to 17 mm (0.31 to 0.67 in)		1.54 (3.40)	2.63 (160.49)	170 x 170 x 91 (6.69 x 6.69 x 3.58)	JBEP171709NE48

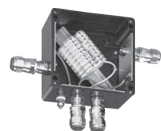
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Maximum Capacity Per Terminal: 6 mm²

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JBEP171709AE06

Ex eb IIC Factory Drilled JBEP Polyester Junction Boxes Equipped with Screw Terminals and Earth Terminals

- 6 mm² terminals (WDU6) and earth terminals (WPE6), Rating 32 Amps, 550 Volts

Enclosure Type	Equipment	Entry Layout	Weight kg (lb)	Volume dm ³ (in ³)	Dimensions – mm (in)	Terminal Jumped Catalog Number
Configuration: P + N (1PE + 2L + 2N + 1PE)						
JBEP1717090	3 x M20 with earth continuity device		1.54 (3.40)	2.63 (160.49)	170 x 170 x 91 (6.69 x 6.69 x 3.58)	JBEP171709AE01
JBEP1717090	3 x M25 with three cable glands for unarmored cable – diameter 8 to 17 mm (0.31 to 0.67 in)		1.54 (3.40)	2.63 (160.49)	170 x 170 x 91 (6.69 x 6.69 x 3.58)	JBEP171709NE01
JBEP1717090	4 x M20 with earth continuity device		1.54 (3.40)	2.63 (160.49)	170 x 170 x 91 (6.69 x 6.69 x 3.58)	JBEP171709AE02
JBEP1717090	4 x M25 with four cable glands for unarmored cable – diameter 8 to 17 mm (0.31 to 0.67 in)		1.54 (3.40)	2.63 (160.49)	170 x 170 x 91 (6.69 x 6.69 x 3.58)	JBEP171709NE02
JBEP1717090	4 x M20 with earth continuity device		1.54 (3.40)	2.63 (160.49)	170 x 170 x 91 (6.69 x 6.69 x 3.58)	JBEP171709AE03
JBEP1717090	4 x M25 with four cable glands for unarmored cable – diameter 8 to 17 mm (0.31 to 0.67 in)		1.54 (3.40)	2.63 (160.49)	170 x 170 x 91 (6.69 x 6.69 x 3.58)	JBEP171709NE03
Configuration: P + N (1PE + 3L + 3N + 2PE)						
JBEP1717090	6 x M20 with earth continuity device		1.54 (3.40)	2.63 (160.49)	170 x 170 x 91 (6.69 x 6.69 x 3.58)	JBEP171709AE04
JBEP1717090	6 x M25 with six cable glands for unarmored cable – diameter 8 to 17 mm (0.31 to 0.67 in)		1.54 (3.40)	2.63 (160.49)	170 x 170 x 91 (6.69 x 6.69 x 3.58)	JBEP171709NE04
Configuration: TP (1PE + 2L1 + 2L2 + 2L3 + 1PE)						
JBEP1717090	3 x M20 with earth continuity device		1.54 (3.40)	2.63 (160.49)	170 x 170 x 91 (6.69 x 6.69 x 3.58)	JBEP171709AE05
JBEP1717090	3 x M25 with three cable glands for unarmored cable – diameter 8 to 17 mm (0.31 to 0.67 in)		1.54 (3.40)	2.63 (160.49)	170 x 170 x 91 (6.69 x 6.69 x 3.58)	JBEP171709NE05
JBEP1717090	4 x M20 with earth continuity device		1.54 (3.40)	2.63 (160.49)	170 x 170 x 91 (6.69 x 6.69 x 3.58)	JBEP171709AE06
JBEP1717090	4 x M25 with four cable glands for unarmored cable – diameter 8 to 17 mm (0.31 to 0.67 in)		1.54 (3.40)	2.63 (160.49)	170 x 170 x 91 (6.69 x 6.69 x 3.58)	JBEP171709NE06
JBEP1717090	4 x M20 with earth continuity device		1.54 (3.40)	2.63 (160.49)	170 x 170 x 91 (6.69 x 6.69 x 3.58)	JBEP171709AE07
JBEP1717090	4 x M25 with four cable glands for unarmored cable – diameter 8 to 17 mm (0.31 to 0.67 in)		1.54 (3.40)	2.63 (160.49)	170 x 170 x 91 (6.69 x 6.69 x 3.58)	JBEP171709NE07

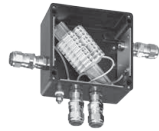
ATX™ JBEP Series FRP Terminal Junction Boxes for Electrical and Power Applications

Fiberglass Reinforced Polyester. Increased Safety. Factory Drilled and Equipped.

Maximum Capacity Per Terminal: 6 mm²

NEC/CEC:
Class I, Zone 1, AEx e IIC, T5 or T6
Ex e IIC, T5 or T6
IP66

ATEX/IECEx:
Zone 1 and 2 – 21 and 22
II 2 GD
IP66 – IK10



JBEP171709AE10

Ex eb IIC Factory Drilled JBEP Polyester Junction Boxes Equipped with Screw Terminals and Earth Terminals

- 6 mm² terminals (WDU6) and earth terminals (WPE6), Rating 32 Amps, 550 Volts

Enclosure Type	Equipment	Entry Layout	Weight kg (lb)	Volume dm ³ (in ³)	Dimensions – mm (in)	Terminal Jumped Catalog Number
Configuration: TP (2PE + 3L1 + 3L2 + 3L3 + 1PE)						
JBEP1717090	6 x M20 with earth continuity device		1.54 (3.40)	2.63 (160.49)	170 x 170 x 91 (6.69 x 6.69 x 3.58)	JBEP171709AE08
JBEP1717090	6 x M25 with six cable glands for unarmored cable – diameter 8 to 17 mm (0.31 to 0.67 in)		1.54 (3.40)	2.63 (160.49)	170 x 170 x 91 (6.69 x 6.69 x 3.58)	JBEP171709NE08
Configuration: TP + N (2PE + 2L1 + 2L2 + 2L3 + 2N + 1PE)						
JBEP1717090	3 x M20 with earth continuity device		1.54 (3.40)	2.63 (160.49)	170 x 170 x 91 (6.69 x 6.69 x 3.58)	JBEP171709AE09
JBEP1717090	3 x M25 with three cable glands for unarmored cable – diameter 8 to 17 mm (0.31 to 0.67 in)		1.54 (3.40)	2.63 (160.49)	170 x 170 x 91 (6.69 x 6.69 x 3.58)	JBEP171709NE09
JBEP1717090	4 x M20 with earth continuity device		1.54 (3.40)	2.63 (160.49)	170 x 170 x 91 (6.69 x 6.69 x 3.58)	JBEP171709AE10
JBEP1717090	4 x M25 with four cable glands for unarmored cable – diameter 8 to 17 mm (0.31 to 0.67 in)		1.54 (3.40)	2.63 (160.49)	170 x 170 x 91 (6.69 x 6.69 x 3.58)	JBEP171709NE10
JBEP1717090	4 x M20 with earth continuity device		1.54 (3.40)	2.63 (160.49)	170 x 170 x 91 (6.69 x 6.69 x 3.58)	JBEP171709AE11
JBEP1717090	4 x M25 with four cable glands for unarmored cable – diameter 8 to 17 mm (0.31 to 0.67 in)		1.54 (3.40)	2.63 (160.49)	170 x 170 x 91 (6.69 x 6.69 x 3.58)	JBEP171709NE11
Configuration: TP + N (2PE + 3L1 + 3L2 + 3L3 + 3N + 1PE)						
JBEP2021100	6 x M20 with earth continuity device		2.04 (4.50)	4.09 (249.28)	200 x 215 x 95 (7.87 x 8.46 x 3.74)	JBEP202110AE12
JBEP2021100	6 x M25 with six cable glands for unarmored cable – diameter 8 to 17 mm (0.31 to 0.67 in)		2.04 (4.50)	4.09 (249.28)	200 x 215 x 95 (7.87 x 8.46 x 3.74)	JBEP202110NE12

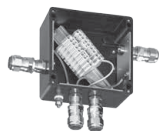
ATX™ JBEP Series FRP Terminal Junction Boxes for Electrical and Power Applications

Fiberglass Reinforced Polyester. Increased Safety. Factory Drilled and Equipped.

Maximum Capacity Per Terminal: 10 mm²

NEC/CEC:
Class I, Zone 1, AEx e IIC, T5 or T6
Ex e IIC, T5 or T6
IP66

ATEX/IECEX:
Zone 1 and 2 – 21 and 22
Ex II 2 GD
IP66 – IK10



JBEP171709NE52

Ex eb IIC Factory Drilled JBEP Polyester Junction Boxes Equipped with Screw Terminals and Earth Terminals

- 10 mm² terminals (WDU10) and earth terminals (WPE10), Rating 50 Amps, 550 Volts

Enclosure Type	Equipment	Entry Layout	Weight kg (lb)	Volume dm ³ (in ³)	Dimensions – mm (in)	Terminal Jumped Catalog Number
Configuration: P + N (1PE + 2L + 2N + 1PE)						
JBEP1717090	3 x M20 with earth continuity device		2.04 (4.50)	2.63 (160.49)	170 x 170 x 91 (6.69 x 6.69 x 3.58)	JBEP171709AE51
JBEP1717090	3 x M25 with three cable glands for unarmored cable – diameter 8 to 17 mm (0.31 to 0.67 in)		2.04 (4.50)	2.63 (160.49)	170 x 170 x 91 (6.69 x 6.69 x 3.58)	JBEP171709NE51
JBEP1717090	4 x M20 with earth continuity device		2.04 (4.50)	2.63 (160.49)	170 x 170 x 91 (6.69 x 6.69 x 3.58)	JBEP171709AE52
JBEP1717090	4 x M25 with four cable glands for unarmored cable – diameter 8 to 17 mm (0.31 to 0.67 in)		2.04 (4.50)	2.63 (160.49)	170 x 170 x 91 (6.69 x 6.69 x 3.58)	JBEP171709NE52
JBEP1717090	4 x M20 with earth continuity device		2.04 (4.50)	2.63 (160.49)	170 x 170 x 91 (6.69 x 6.69 x 3.58)	JBEP171709AE53
JBEP1717090	4 x M25 with four cable glands for unarmored cable – diameter 8 to 17 mm (0.31 to 0.67 in)		2.04 (4.50)	2.63 (160.49)	170 x 170 x 91 (6.69 x 6.69 x 3.58)	JBEP171709NE53

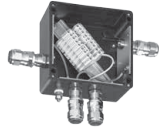
ATX™ JBEP Series FRP Terminal Junction Boxes for Electrical and Power Applications

Fiberglass Reinforced Polyester. Increased Safety. Factory Drilled and Equipped.

Maximum Capacity Per Terminal: 10 mm²

NEC/CEC:
Class I, Zone 1, AEx e IIC, T5 or T6
Ex e IIC, T5 or T6
IP66

ATEX/IECEX:
Zone 1 and 2 – 21 and 22
Ex II 2 GD
IP66 – IK10



JBEP171709AE57

Ex eb IIC Factory Drilled JBEP Polyester Junction Boxes Equipped with Screw Terminals and Earth Terminals

- 10 mm² terminals (WDU10) and earth terminals (WPE10), Rating 47 Amps, 550 Volts

Enclosure Type	Equipment	Entry Layout	Weight kg (lb)	Volume dm ³ (in ³)	Dimensions – mm (in)	Terminal Jumped Catalog Number
Configuration: P + N (2PE + 3L + 3N + 1PE)						
JBEP1717090	6 x M20 with earth continuity device		2.04 (4.50)	2.63 (160.49)	170 x 170 x 91 (6.69 x 6.69 x 3.58)	JBEP171709AE54
JBEP1717090	6 x M25 with six cable glands for unarmored cable – diameter 8 to 17 mm (0.31 to 0.67 in)		2.04 (4.50)	2.63 (160.49)	170 x 170 x 91 (6.69 x 6.69 x 3.58)	JBEP171709NE54
Configuration: TP (1PE + 2L1 + 2L2 + 2L3 + 1PE)						
JBEP1717090	3 x M25 with earth continuity device		2.04 (4.50)	2.63 (160.49)	170 x 170 x 91 (6.69 x 6.69 x 3.58)	JBEP171709AE55
JBEP1717090	3 x M25 with three cable glands for unarmored cable – diameter 8 to 17 mm (0.31 to 0.67 in)		2.04 (4.50)	2.63 (160.49)	170 x 170 x 91 (6.69 x 6.69 x 3.58)	JBEP171709NE55
JBEP1717090	4 x M25 with earth continuity device		2.04 (4.50)	2.63 (160.49)	170 x 170 x 91 (6.69 x 6.69 x 3.58)	JBEP171709AE56
JBEP1717090	4 x M25 with four cable glands for unarmored cable – diameter 8 to 17 mm (0.31 to 0.67 in)		2.04 (4.50)	2.63 (160.49)	170 x 170 x 91 (6.69 x 6.69 x 3.58)	JBEP171709NE56
JBEP1717090	4 x M25 with earth continuity device		2.04 (4.50)	2.63 (160.49)	170 x 170 x 91 (6.69 x 6.69 x 3.58)	JBEP171709AE57
JBEP1717090	4 x M25 with four cable glands for unarmored cable – diameter 8 to 17 mm (0.31 to 0.67 in)		2.04 (4.50)	2.63 (160.49)	170 x 170 x 91 (6.69 x 6.69 x 3.58)	JBEP171709NE57

ATX™ JBEP Series FRP Terminal Junction Boxes for Electrical and Power Applications

Fiberglass Reinforced Polyester. Increased Safety. Factory Drilled and Equipped.

Maximum Capacity Per Terminal: 10 mm²

NEC/CEC:
Class I, Zone 1, AEx e IIC, T5 or T6
Ex e IIC, T5 or T6
IP66

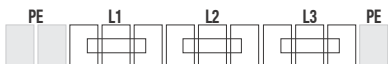
ATEX/IECEX:
Zone 1 and 2 – 21 and 22
II 2 GD
IP66 – IK10



JBEP171709AE61

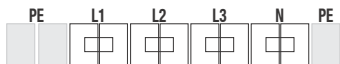
Ex eb IIC Factory Drilled JBEP Polyester Junction Boxes Equipped with Screw Terminals and Earth Terminals

- 10 mm² terminals (WDU10) and earth terminals (WPE10), Rating 37 Amps, 550 Volts

Enclosure Type	Equipment	Entry Layout	Weight kg (lb)	Volume dm ³ (in ³)	Dimensions – mm (in)	Terminal Jumped Catalog Number
Configuration: TP (2PE + 3L1 + 3L2 + 3L3 + 1PE) 						
JBEP1717090	6 x M25 with earth continuity device		1.60 (3.60)	2.63 (160.49)	170 x 170 x 91 (6.69 x 6.69 x 3.58)	JBEP171709AE58
JBEP1717090	6 x M25 with six cable glands for unarmored cable – diameter 8 to 17 mm (0.31 to 0.67 in)		1.60 (3.60)	2.63 (160.49)	170 x 170 x 91 (6.69 x 6.69 x 3.58)	JBEP171709NE58

Ex eb IIC Factory Drilled JBEP Polyester Junction Boxes Equipped with Screw Terminals and Earth Terminals

- 10 mm² terminals (WDU10) and earth terminals (WPE10), Rating 40 Amps, 550 Volts

Enclosure Type	Equipment	Entry Layout	Weight kg (lb)	Volume dm ³ (in ³)	Dimensions – mm (in)	Terminal Jumped Catalog Number
Configuration: TP + N (2PE + 2L1 + 2L2 + 2L3 + 2N + 1PE) 						
JBEP1717090	3 x M25 with earth continuity device		1.60 (3.60)	2.63 (160.49)	170 x 170 x 91 (6.69 x 6.69 x 3.58)	JBEP171709AE59
JBEP1717090	3 x M32 with three cable glands for unarmored cable – diameter 10 to 25 mm (0.39 to 0.98 in)		1.60 (3.60)	2.63 (160.49)	170 x 170 x 91 (6.69 x 6.69 x 3.58)	JBEP171709NE59
JBEP1717090	4 x M25 with earth continuity device		1.60 (3.60)	2.63 (160.49)	170 x 170 x 91 (6.69 x 6.69 x 3.58)	JBEP171709AE60
JBEP1717090	4 x M32 with four cable glands for unarmored cable – diameter 10 to 25 mm (0.39 to 0.98 in)		1.60 (3.60)	2.63 (160.49)	170 x 170 x 91 (6.69 x 6.69 x 3.58)	JBEP171709NE60
JBEP1717090	4 x M25 with earth continuity device		1.60 (3.60)	2.63 (160.49)	170 x 170 x 91 (6.69 x 6.69 x 3.58)	JBEP171709AE61
JBEP1717090	4 x M32 with four cable glands for unarmored cable – diameter 10 to 25 mm (0.39 to 0.98 in)		1.60 (3.60)	2.63 (160.49)	170 x 170 x 91 (6.69 x 6.69 x 3.58)	JBEP171709NE61

ATX™ JBEP Series FRP Terminal Junction Boxes for Electrical and Power Applications

Fiberglass Reinforced Polyester. Increased Safety. Factory Drilled and Equipped.

Maximum Capacity Per Terminal: 10 mm²

NEC/CEC:
Class I, Zone 1, AEx e IIC, T5 or T6
Ex e IIC, T5 or T6
IP66

ATEX/IECEX:
Zone 1 and 2 – 21 and 22
II 2 GD
IP66 – IK10

Ex eb IIC Factory Drilled JBEP Polyester Junction Boxes Equipped with Screw Terminals and Earth Terminals

- 10 mm² terminals (WDU10) and earth terminals (WPE10), Rating 40 Amps, 550 Volts

Enclosure Type	Equipment	Entry Layout	Weight kg (lb)	Volume dm ³ (in ³)	Dimensions – mm (in)	Terminal Jumped Catalog Number
Configuration: TP + N (2PE + 3L1 + 3L2 + 3L3 + 3N + 1PE)						
JBEP2021100	6 x M25 with earth continuity device		2.10 (4.60)	4.09 (249.28)	200 x 215 x 95 (7.87 x 8.46 x 3.74)	JBEP202110AE62
JBEP2021100	6 x M32 with six cable glands for unarmored cable – diameter 10 to 25 mm (0.39 to 0.98 in)		2.10 (4.60)	4.09 (249.28)	200 x 215 x 95 (7.87 x 8.46 x 3.74)	JBEP202110NE62

ATX™ JBEP Series FRP Terminal Junction Boxes for Electrical and Power Applications

Fiberglass Reinforced Polyester. Increased Safety. Factory Drilled and Equipped.

Maximum Capacity Per Terminal: 16 mm²

NEC/CEC:
Class I, Zone 1, AEx e IIC, T5 or T6
Ex e IIC, T5 or T6
IP66

ATEX/IECEX:
Zone 1 and 2 – 21 and 22
Ex II 2 GD
IP66 – IK10



JBEP202115AP06

Ex eb IIC Factory Drilled JBEP Polyester Junction Boxes Equipped with Screw Terminals, Earth Terminals and Earth Stud

- 16 mm² terminals (WDU16) and earth terminals (WPE16), Rating 60 Amps, 690 Volts

Enclosure Type	Equipment	Entry Layout	Weight kg (lb)	Volume dm ³ (in ³)	Dimensions – mm (in)	Terminal Jumped Catalog Number
Configuration: P + N (1PE + 2L + 2N + 2PE)						
JBEP2021150	3 x M25 with earth continuity device		4.00 (8.80)	6.45 (393.60)	200 x 215 x 145 (7.87 x 8.46 x 5.71)	JBEP202115AP01
JBEP2021150	3 x M25 with three cable glands for unarmored cable – diameter 8 to 17 mm (0.31 to 0.67 in)		4.00 (8.80)	6.45 (393.60)	200 x 215 x 145 (7.87 x 8.46 x 5.71)	JBEP202115NP01
JBEP2021150	4 x M25 with earth continuity device		4.00 (8.80)	6.45 (393.60)	200 x 215 x 145 (7.87 x 8.46 x 5.71)	JBEP202115AP02
JBEP2021150	4 x M25 with four cable glands for unarmored cable – diameter 8 to 17 mm (0.31 to 0.67 in)		4.00 (8.80)	6.45 (393.60)	200 x 215 x 145 (7.87 x 8.46 x 5.71)	JBEP202115NP02
JBEP2021150	4 x M25 with earth continuity device		4.00 (8.80)	6.45 (393.60)	200 x 215 x 145 (7.87 x 8.46 x 5.71)	JBEP202115AP03
JBEP2021150	4 x M25 with four cable glands for unarmored cable – diameter 8 to 17 mm (0.31 to 0.67 in)		4.00 (8.80)	6.45 (393.60)	200 x 215 x 145 (7.87 x 8.46 x 5.71)	JBEP202115NP03
JBEP2021150	4 x M25 with earth continuity device		4.00 (8.80)	6.45 (393.60)	200 x 215 x 145 (7.87 x 8.46 x 5.71)	JBEP202115AP04
JBEP2021150	4 x M25 with four cable glands for unarmored cable – diameter 8 to 17 mm (0.31 to 0.67 in)		4.00 (8.80)	6.45 (393.60)	200 x 215 x 145 (7.87 x 8.46 x 5.71)	JBEP202115NP04

Ex eb IIC Factory Drilled JBEP Polyester Junction Boxes Equipped with Screw Terminals, Earth Terminals and Earth Stud

- 16 mm² terminals (WDU16) and earth terminals (WPE16), Rating 55 Amps, 690 Volts

Enclosure Type	Equipment	Entry Layout	Weight kg (lb)	Volume dm ³ (in ³)	Dimensions – mm (in)	Terminal Jumped Catalog Number
Configuration: P + N (2PE + 3L + 3N + 2PE)						
JBEP2021150	6 x M25 with earth continuity device		4.00 (8.80)	6.45 (393.60)	200 x 215 x 145 (7.87 x 8.46 x 5.71)	JBEP202115AP05
JBEP2021150	6 x M25 with six cable glands for unarmored cable – diameter 8 to 17 mm (0.31 to 0.67 in)		4.00 (8.80)	6.45 (393.60)	200 x 215 x 145 (7.87 x 8.46 x 5.71)	JBEP202115NP05
JBEP2021150	6 x M25 with earth continuity device		4.00 (8.80)	6.45 (393.60)	200 x 215 x 145 (7.87 x 8.46 x 5.71)	JBEP202115AP06
JBEP2021150	6 x M25 with six cable glands for unarmored cable – diameter 8 to 17 mm (0.31 to 0.67 in)		4.00 (8.80)	6.45 (393.60)	200 x 215 x 145 (7.87 x 8.46 x 5.71)	JBEP202115NP06

ATX™ JBEP Series FRP Terminal Junction Boxes for Electrical and Power Applications

Fiberglass Reinforced Polyester. Increased Safety. Factory Drilled and Equipped.

Maximum Capacity Per Terminal: 16 mm²

NEC/CEC:
Class I, Zone 1, AEx e IIC, T5 or T6
Ex e IIC, T5 or T6
IP66

ATEX/IECEx:
Zone 1 and 2 – 21 and 22
II 2 GD
IP66 – IK10



JBEP202115AP12

Ex eb IIC Factory Drilled JBEP Polyester Junction Boxes Equipped with Screw Terminals, Earth Terminals and Earth Stud

- 16 mm² terminals (WDU16) and earth terminals (WPE16), Rating 55 Amps, 690 Volts

Enclosure Type	Equipment	Entry Layout	Weight kg (lb)	Volume dm ³ (in ³)	Dimensions – mm (in)	Terminal Jumped Catalog Number
						PE L1 L2 L3 PE
Configuration: TP (1PE + 2L1 + 2L2 + 2L3 + 2PE)						
JBEP2021150	3 x M25 with earth continuity device		4.00 (8.80)	6.45 (393.60)	200 x 215 x 145 (7.87 x 8.46 x 5.71)	JBEP202115AP07
JBEP2021150	3 x M25 with three cable glands for unarmored cable – diameter 8 to 17 mm (0.31 to 0.67 in)		4.00 (8.80)	6.45 (393.60)	200 x 215 x 145 (7.87 x 8.46 x 5.71)	JBEP202115NP07
JBEP2021150	4 x M25 with earth continuity device		4.00 (8.80)	6.45 (393.60)	200 x 215 x 145 (7.87 x 8.46 x 5.71)	JBEP202115AP08
JBEP2021150	4 x M25 with four cable glands for unarmored cable – diameter 8 to 17 mm (0.31 to 0.67 in)		4.00 (8.80)	6.45 (393.60)	200 x 215 x 145 (7.87 x 8.46 x 5.71)	JBEP202115NP08
JBEP2021150	4 x M25 with earth continuity device		4.00 (8.80)	6.45 (393.60)	200 x 215 x 145 (7.87 x 8.46 x 5.71)	JBEP202115AP09
JBEP2021150	4 x M25 with four cable glands for unarmored cable – diameter 8 to 17 mm (0.31 to 0.67 in)		4.00 (8.80)	6.45 (393.60)	200 x 215 x 145 (7.87 x 8.46 x 5.71)	JBEP202115NP09
JBEP2021150	4 x M25 with earth continuity device		4.00 (8.80)	6.45 (393.60)	200 x 215 x 145 (7.87 x 8.46 x 5.71)	JBEP202115AP10
JBEP2021150	4 x M25 with four cable glands for unarmored cable – diameter 8 to 17 mm (0.31 to 0.67 in)		4.00 (8.80)	6.45 (393.60)	200 x 215 x 145 (7.87 x 8.46 x 5.71)	JBEP202115NP10

Ex eb IIC Factory Drilled JBEP Polyester Junction Boxes Equipped with Screw Terminals, Earth Terminals and Earth Stud

- 16 mm² terminals (WDU16) and earth terminals (WPE16), Rating 43 Amps, 690 Volts

Enclosure Type	Equipment	Entry Layout	Weight kg (lb)	Volume dm ³ (in ³)	Dimensions – mm (in)	Terminal Jumped Catalog Number
						PE L1 L2 L3 PE
Configuration: TP (2PE + 3L1 + 3L2 + 3L3 + 2PE)						
JBEP2021150	6 x M25 with earth continuity device		4.00 (8.80)	6.45 (393.60)	200 x 215 x 145 (7.87 x 8.46 x 5.71)	JBEP202115AP11
JBEP2021150	6 x M25 with six cable glands for unarmored cable – diameter 8 to 17 mm (0.31 to 0.67 in)		4.00 (8.80)	6.45 (393.60)	200 x 215 x 145 (7.87 x 8.46 x 5.71)	JBEP202115NP11
JBEP2021150	6 x M25 with earth continuity device		4.00 (8.80)	6.45 (393.60)	200 x 215 x 145 (7.87 x 8.46 x 5.71)	JBEP202115AP12
JBEP2021150	6 x M25 with six cable glands for unarmored cable – diameter 8 to 17 mm (0.31 to 0.67 in)		4.00 (8.80)	6.45 (393.60)	200 x 215 x 145 (7.87 x 8.46 x 5.71)	JBEP202115NP12

ATX™ JBEP Series FRP Terminal Junction Boxes for Electrical and Power Applications

Fiberglass Reinforced Polyester. Increased Safety. Factory Drilled and Equipped.

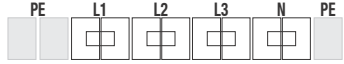
Maximum Capacity Per Terminal: 16 mm²

NEC/CEC:
Class I, Zone 1, AEx e IIC, T5 or T6
Ex e IIC, T5 or T6
IP66

ATEX/IECEX:
Zone 1 and 2 – 21 and 22
Ex II 2 GD
IP66 – IK10

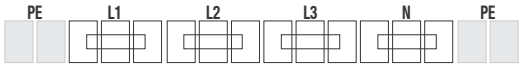
Ex eb IIC Factory Drilled JBEP Polyester Junction Boxes Equipped with Screw Terminals, Earth Terminals and Earth Stud

- 16 mm² terminals (WDU16) and earth terminals (WPE16), Rating 45 Amps, 690 Volts

Enclosure Type	Equipment	Entry Layout	Weight kg (lb)	Volume dm ³ (in ³)	Dimensions – mm (in)	Terminal Jumped Catalog Number
Configuration: TP + N (2PE + 2L1 + 2L2 + 2L3 + 2N + PE) 						
JBEP2021150	3 x M25 with earth continuity device		4.00 (8.80)	6.45 (393.60)	200 x 215 x 145 (7.87 x 8.46 x 5.71)	JBEP202115AP13
JBEP2021150	3 x M32 with three cable glands for unarmored cable – diameter 10 to 25 mm (0.39 to 0.98 in)		4.00 (8.80)	6.45 (393.60)	200 x 215 x 145 (7.87 x 8.46 x 5.71)	JBEP202115NP13
JBEP2021150	4 x M25 with earth continuity device		4.00 (8.80)	6.45 (393.60)	200 x 215 x 145 (7.87 x 8.46 x 5.71)	JBEP202115AP14
JBEP2021150	4 x M32 with four cable glands for unarmored cable – diameter 10 to 25 mm (0.39 to 0.98 in)		4.00 (8.80)	6.45 (393.60)	200 x 215 x 145 (7.87 x 8.46 x 5.71)	JBEP202115NP14
JBEP2021150	4 x M25 with earth continuity device		4.00 (8.80)	6.45 (393.60)	200 x 215 x 145 (7.87 x 8.46 x 5.71)	JBEP202115AP15
JBEP2021150	4 x M32 with four cable glands for unarmored cable – diameter 10 to 25 mm (0.39 to 0.98 in)		4.00 (8.80)	6.45 (393.60)	200 x 215 x 145 (7.87 x 8.46 x 5.71)	JBEP202115NP15
JBEP2021150	4 x M25 with earth continuity device		4.00 (8.80)	6.45 (393.60)	200 x 215 x 145 (7.87 x 8.46 x 5.71)	JBEP202115AP16
JBEP2021150	4 x M32 with four cable glands for unarmored cable – diameter 10 to 25 mm (0.39 to 0.98 in)		4.00 (8.80)	6.45 (393.60)	200 x 215 x 145 (7.87 x 8.46 x 5.71)	JBEP202115NP16

Ex eb IIC Factory Drilled JBEP Polyester Junction Boxes Equipped with Screw Terminals, Earth Terminals and Earth Stud

- 16 mm² terminals (WDU16) and earth terminals (WPE16), Rating 40 Amps, 690 Volts

Enclosure Type	Equipment	Entry Layout	Weight kg (lb)	Volume dm ³ (in ³)	Dimensions – mm (in)	Terminal Jumped Catalog Number
Configuration: TP + N (2PE + 3L1 + 3L2 + 3L3 + 3N + 2PE) 						
JBEP2532150	6 x M25 with earth continuity device		8.20 (18.00)	12.00 (732.28)	250 x 320 x 150 (9.84 x 12.60 x 5.94)	JBEP253215AP17
JBEP2532150	6 x M32 with six cable glands for unarmored cable – diameter 10 to 25 mm (0.39 to 0.98 in)		8.20 (18.00)	12.00 (732.28)	250 x 320 x 150 (9.84 x 12.60 x 5.94)	JBEP253215NP17
JBEP2532150	6 x M25 with earth continuity device		8.20 (18.00)	12.00 (732.28)	250 x 320 x 150 (9.84 x 12.60 x 5.94)	JBEP253215AP18
JBEP2532150	6 x M32 with six cable glands for unarmored cable – diameter 10 to 25 mm (0.39 to 0.98 in)		8.20 (18.00)	12.00 (732.28)	250 x 320 x 150 (9.84 x 12.60 x 5.94)	JBEP253215NP18

ATX™ JBEP Series FRP Terminal Junction Boxes for Electrical and Power Applications

Fiberglass Reinforced Polyester. Increased Safety. Factory Drilled and Equipped.

Maximum Capacity Per Terminal: 25/35 mm²

NEC/CEC:

Class I, Zone 1, AEx e IIC, T5 or T6

Ex e IIC, T5 or T6

IP66

ATEX/IECEX:

Zone 1 and 2 – 21 and 22

II 2 GD

IP66 – IK10



JBEP253215NP02

Ex eb IIC Factory Drilled JBEP Polyester Junction Boxes Equipped with Screw Terminals, Earth Terminals and Earth Stud

- 25 mm² terminals (WDU35) and earth terminals (WPE35), Rating 80 Amps, 690 Volts
- 35 mm² terminals (WDU35) and earth terminals (WPE35), Rating 98 Amps, 690 Volts

Enclosure Type	Equipment	Entry Layout	Weight kg (lb)	Volume dm ³ (in ³)	Dimensions – mm (in)	Terminal Jumped Catalog Number
Configuration: TP (1PE + 2L1 + 2L2 + 2L3 + 2PE)						
JBEP2532150	4 x M32 with earth continuity device		8.20 (18.00)	12.00 (732.28)	250 x 320 x 151 (9.84 x 12.60 x 5.94)	JBEP253215AP01
JBEP2532150	4 x M32 with four cable glands for unarmored cable – diameter 10 to 25 mm (0.39 to 0.98 in)		8.20 (18.00)	12.00 (732.28)	250 x 320 x 151 (9.84 x 12.60 x 5.94)	JBEP253215NP01

Ex eb IIC Factory Drilled JBEP Polyester Junction Boxes Equipped with Screw Terminals, Earth Terminals and Earth Stud

- 25 mm² terminals (WDU35) and earth terminals (WPE35), Rating 70 Amps, 690 Volts
- 35 mm² terminals (WDU35) and earth terminals (WPE35), Rating 80 Amps, 690 Volts

Enclosure Type	Equipment	Entry Layout	Weight kg (lb)	Volume dm ³ (in ³)	Dimensions – mm (in)	Terminal Jumped Catalog Number
Configuration: TP (2PE + 3L1 + 3L2 + 3L3 + 2PE)						
JBEP2532150	6 x M32 with earth continuity device		8.20 (18.00)	12.00 (732.28)	250 x 320 x 151 (9.84 x 12.60 x 5.94)	JBEP253215AP02
JBEP2532150	6 x M32 with six cable glands for unarmored cable – diameter 10 to 25 mm (0.39 to 0.98 in)		8.20 (18.00)	12.00 (732.28)	250 x 320 x 151 (9.84 x 12.60 x 5.94)	JBEP253215NP02

ATX™ JBEP Series FRP Terminal Junction Boxes for Electrical and Power Applications

Fiberglass Reinforced Polyester. Increased Safety. Factory Drilled and Equipped.

Maximum Capacity Per Terminal: 25/35 mm²

NEC/CEC:
Class I, Zone 1, AEx e IIC, T5 or T6
Ex e IIC, T5 or T6
IP66

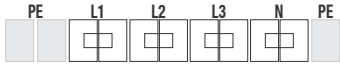
ATEX/IECEX:
Zone 1 and 2 – 21 and 22
II 2 GD
IP66 – IK10



JBEP253215NP04

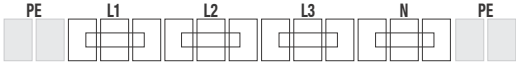
Ex eb IIC Factory Drilled JBEP Polyester Junction Boxes Equipped with Screw Terminals, Earth Terminals and Earth Stud

- 25 mm² terminals (WDU35) and earth terminals (WPE35), Rating 75 Amps, 690 Volts
- 35 mm² terminals (WDU35) and earth terminals (WPE35), Rating 85 Amps, 690 Volts

Enclosure Type	Equipment	Entry Layout	Weight kg (lb)	Volume dm ³ (in ³)	Dimensions – mm (in)	Terminal Jumped Catalog Number
Configuration: TP + N (2PE + 2L1 + 2L2 + 2L3 + 2N + PE) 						
JBEP2532150	4 x M32 with earth continuity device		8.20 (18.00)	12.00 (732.28)	250 x 320 x 150 (9.84 x 12.60 x 5.91)	JBEP253215AP03
JBEP2532150	4 x M32 with four cable glands for unarmored cable – diameter 10 to 25 mm (0.39 to 0.98 in)		8.20 (18.00)	12.00 (732.28)	250 x 320 x 150 (9.84 x 12.60 x 5.91)	JBEP253215NP03

Ex eb IIC Factory Drilled JBEP Polyester Junction Boxes Equipped with Screw Terminals, Earth Terminals and Earth Stud

- 25 mm² terminals (WDU35) and earth terminals (WPE35), Rating 58 Amps, 690 Volts
- 35 mm² terminals (WDU35) and earth terminals (WPE35), Rating 68 Amps, 690 Volts

Enclosure Type	Equipment	Entry Layout	Weight kg (lb)	Volume dm ³ (in ³)	Dimensions – mm (in)	Terminal Jumped Catalog Number
Configuration: TP + N (2PE + 3L1 + 3L2 + 3L3 + 3N + 2PE) 						
JBEP2532150	6 x M32 with earth continuity device		8.20 (18.00)	12.00 (732.28)	250 x 320 x 150 (9.84 x 12.60 x 5.91)	JBEP253215AP04
JBEP2532150	6 x M40 with six cable glands for unarmored cable – diameter 24 to 34 mm (0.94 to 1.34 in)		8.20 (18.00)	12.00 (732.28)	250 x 320 x 150 (9.84 x 12.60 x 5.91)	JBEP253215NP04

ATX™ JBEP Series FRP Terminal Junction Boxes for Electrical and Power Applications

Fiberglass Reinforced Polyester. Increased Safety. Factory Drilled and Equipped.

Maximum Capacity Per Terminal: 10 mm² to 50 mm²

NEC/CEC:
Class I, Zone 1, AEx e IIC, T5 or T6
Ex e IIC, T5 or T6
IP66

ATEX/IECEX:
Zone 1 and 2 – 21 and 22
II 2 GD
IP66 – IK10



JBEP503215AP02

Ex eb IIC Factory Drilled JBEP Polyester Junction Boxes Equipped with Screw Terminals, Earth Terminals and Earth Stud

- 10 mm² to 50 mm² terminals (WDU50N) and earth terminals (WPE35), Rating 125 Amps, 550 Volts

Enclosure Type	Equipment	Entry Layout	Weight kg (lb)	Volume dm ³ (in ³)	Dimensions – mm (in)	Terminal Jumped Catalog Number
PE L1 L2 L3 PE						
Configuration: TP (1PE + 2L1 + 2L2 + 2L3 + 2PE)						
JBEP5032150	4 x M40 with earth continuity device		8.50 (18.60)	24.00 (1464.57)	500 x 320 x 150 (19.68 x 12.60 x 5.91)	JBEP503215AP01
JBEP5032150	4 x M40 with four cable glands for unarmored cable – diameter 24 to 34 mm (0.94 to 1.34 in)		8.50 (18.60)	24.00 (1464.57)	500 x 320 x 150 (19.68 x 12.60 x 5.91)	JBEP503215NP01

Ex eb IIC Factory Drilled JBEP Polyester Junction Boxes Equipped with Screw Terminals, Earth Terminals and Earth Stud

- 10 mm² to 50 mm² terminals (WDU50N) and earth terminals (WPE35), Rating 125 Amps, 550 Volts

Enclosure Type	Equipment	Entry Layout	Weight kg (lb)	Volume dm ³ (in ³)	Dimensions – mm (in)	Terminal Jumped Catalog Number
PE L1 L2 L3 PE						
Configuration: TP (2PE + 3L1 + 3L2 + 3L3 + 2PE)						
JBEP5032150	6 x M40 with earth continuity device		8.50 (18.60)	24.00 (1464.57)	500 x 320 x 150 (19.68 x 12.60 x 5.91)	JBEP503215AP02
JBEP5032150	6 x M40 with six cable glands for unarmored cable – diameter 24 to 34 mm (0.94 to 1.34 in)		8.50 (18.60)	24.00 (1464.57)	500 x 320 x 150 (19.68 x 12.60 x 5.91)	JBEP503215NP02

ATX™ JBEP Series FRP Terminal Junction Boxes for Electrical and Power Applications

Fiberglass Reinforced Polyester. Increased Safety. Factory Drilled and Equipped.

Maximum Capacity Per Terminal: 10 mm² to 50 mm²

NEC/CEC:
Class I, Zone 1, AEx e IIC, T5 or T6
Ex e IIC, T5 or T6
IP66

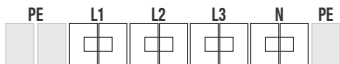
ATEX/IECEX:
Zone 1 and 2 – 21 and 22
II 2 GD
IP66 – IK10



JBEP503215AP04

Ex eb IIC Factory Drilled JBEP Polyester Junction Boxes Equipped with Screw Terminals, Earth Terminals and Earth Stud

- 10 mm² to 50 mm² terminals (WDU50N) and earth terminals (WPE35), Rating 125 Amps, 550 Volts

Enclosure Type	Equipment	Entry Layout	Weight kg (lb)	Volume dm ³ (in ³)	Dimensions – mm (in)	Terminal Jumped Catalog Number
Configuration: TP + N (2PE + 2L1 + 2L2 + 2L3 + 2N + PE) 						
JBEP5032150	4 x M40 with earth continuity device		8.50 (18.60)	24.00 (1464.57)	500 x 320 x 150 (19.68 x 12.60 x 5.91)	JBEP503215AP03
JBEP5032150	4 x M40 with four cable glands for unarmored cable – diameter 24 to 34 mm (0.94 to 1.34 in)		8.50 (18.60)	24.00 (1464.57)	500 x 320 x 150 (19.68 x 12.60 x 5.91)	JBEP503215NP03

Ex eb IIC Factory Drilled JBEP Polyester Junction Boxes Equipped with Screw Terminals, Earth Terminals and Earth Stud

- 10 mm² to 50 mm² terminals (WDU50N) and earth terminals (WPE35), Rating 100 Amps, 550 Volts

Enclosure Type	Equipment	Entry Layout	Weight kg (lb)	Volume dm ³ (in ³)	Dimensions – mm (in)	Terminal Jumped Catalog Number
Configuration: TP + N (2PE + 3L1 + 3L2 + 3L3 + 3N + 2PE) 						
JBEP5032150	6 x M40 with earth continuity device		9.30 (20.50)	24.00 (1464.57)	500 x 320 x 150 (19.68 x 12.60 x 5.91)	JBEP503215AP04
JBEP5032230	6 x M50 with six cable glands for unarmored cable – diameter 28 to 42 mm (1.10 to 1.65 in)		10.30 (22.70)	36.80 (2245.67)	500 x 320 x 230 (19.68 x 12.60 x 9.06)	JBEP503223NP04

ATX™ JBEP Series FRP Terminal Junction Boxes for Electrical and Power Applications

Fiberglass Reinforced Polyester. Increased Safety. Factory Drilled and Equipped.

Maximum Capacity Per Terminal: 10 mm² to 70 mm²

NEC/CEC:
Class I, Zone 1, AEx e IIC, T5 or T6
Ex e IIC, T5 or T6
IP66

ATEX/IECEX:
Zone 1 and 2 – 21 and 22
Ex II 2 GD
IP66 – IK10



JBEP503215AP22

Ex eb IIC Factory Drilled JBEP Polyester Junction Boxes Equipped with Screw Terminals, Earth Terminals and Earth Stud

- 10 mm² to 70 mm² terminals (WDU70N) and earth terminals (WPE35), Rating 160 Amps, 550 Volts

Enclosure Type	Equipment	Entry Layout	Weight kg (lb)	Volume dm ³ (in ³)	Dimensions – mm (in)	Terminal Jumped Catalog Number
Configuration: TP (1PE + 2L1 + 2L2 + 2L3 + 2PE)						
JBEP5032150	4 x M40 with earth continuity device		9.30 (20.50)	24.00 (1464.57)	500 x 320 x 150 (19.68 x 12.60 x 5.91)	JBEP503215AP21
JBEP5032150	4 x M40 with four cable glands for unarmored cable – diameter 24 to 34 mm (0.94 to 1.34 in)		9.30 (20.50)	24.00 (1464.57)	500 x 320 x 150 (19.68 x 12.60 x 5.91)	JBEP503215NP21

Ex eb IIC Factory Drilled JBEP Polyester Junction Boxes Equipped with Screw Terminals, Earth Terminals and Earth Stud

- 10 mm² to 70 mm² terminals (WDU70N) and earth terminals (WPE35), Rating 140 Amps, 550 Volts

Enclosure Type	Equipment	Entry Layout	Weight kg (lb)	Volume dm ³ (in ³)	Dimensions – mm (in)	Terminal Jumped Catalog Number ②
Configuration: TP (2PE + 3L1 + 3L2 + 3L3 + 2PE)						
JBEP5032150	6 x M40 with earth continuity device		9.30 (20.50)	24.00 (1464.57)	500 x 320 x 150 (19.68 x 12.60 x 5.91)	JBEP503215AP22
JBEP5032150	6 x M40 with six cable glands for unarmored cable – diameter 24 to 34 mm (0.94 to 1.34 in)		9.30 (20.50)	24.00 (1464.57)	500 x 320 x 150 (19.68 x 12.60 x 5.91)	JBEP503215NP22

ATX™ JBEP Series FRP Terminal Junction Boxes for Electrical and Power Applications

Fiberglass Reinforced Polyester. Increased Safety. Factory Drilled and Equipped.

Maximum Capacity Per Terminal: 10 mm² to 70 mm²

NEC/CEC:
Class I, Zone 1, AEx e IIC, T5 or T6
Ex e IIC, T5 or T6
IP66

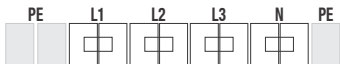
ATEX/IECEX:
Zone 1 and 2 – 21 and 22
II 2 GD
IP66 – IK10



JBEP503215AP24

Ex eb IIC Factory Drilled JBEP Polyester Junction Boxes Equipped with Screw Terminals, Earth Terminals and Earth Stud

- 10 mm² to 70 mm² terminals (WDU70N) and earth terminals (WPE35), Rating 150 Amps, 550 Volts

Enclosure Type	Equipment	Entry Layout	Weight kg (lb)	Volume dm ³ (in ³)	Dimensions – mm (in)	Terminal Jumped Catalog Number ②
Configuration: TP + N (2PE + 2L1 + 2L2 + 2L3 + 2N + PE) 						
JBEP5032150	4 x M40 with earth continuity device		9.30 (20.50)	24.00 (1464.57)	500 x 320 x 150 (19.68 x 12.60 x 5.91)	JBEP503215AP23
JBEP5032150	4 x M40 with four cable glands for unarmored cable – diameter 24 to 34 mm (0.94 to 1.34 in)		9.30 (20.50)	24.00 (1464.57)	500 x 320 x 150 (19.68 x 12.60 x 5.91)	JBEP503215NP23

Ex eb IIC Factory Drilled JBEP Polyester Junction Boxes Equipped with Screw Terminals, Earth Terminals and Earth Stud

- 10 mm² to 70 mm² terminals (WDU70N) and earth terminals (WPE35), Rating 125 Amps, 550 Volts

Enclosure Type	Equipment	Entry Layout	Weight kg (lb)	Volume dm ³ (in ³)	Dimensions – mm (in)	Terminal Jumped Catalog Number
Configuration: TP + N (2PE + 3L1 + 3L2 + 3L3 + 3N + 2PE) 						
JBEP5032150	6 x M40 with earth continuity device		9.30 (20.50)	24.00 (1464.57)	500 x 320 x 150 (19.68 x 12.60 x 5.91)	JBEP503215AP24
JBEP5032230	6 x M50 with six cable glands for unarmored cable – diameter 28 to 42 mm (1.10 to 1.65 in)		10.30 (22.70)	36.80 (2245.67)	500 x 320 x 230 (19.68 x 12.60 x 9.06)	JBEP503223NP24

ATX™ JBEP Series FRP Terminal Junction Boxes for Electrical and Power Applications

Fiberglass Reinforced Polyester. Increased Safety. Factory Drilled and Equipped.

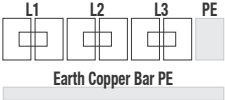
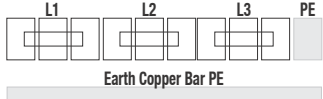
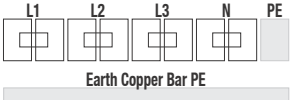
Maximum Capacity Per Terminal: 120 mm²

NEC/CEC:
Class I, Zone 1, AEx e IIC, T5 or T6
Ex e IIC, T5 or T6
IP66

ATEX/IECEX:
Zone 1 and 2 – 21 and 22
Ex II 2 GD
IP66 – IK10

Ex eb IIC Factory Drilled JBEP Polyester Junction Boxes Equipped with Screw Terminals, Earth Bar and Earth Stud

- 10 mm² to 120 mm² terminals (WDU95N/120N) and earth copper bar, Rating 200 Amps, 690 Volts

Enclosure Type	Equipment	Entry Layout	Weight kg (lb)	Volume dm ³ (in ³)	Dimensions – mm (in)	Terminal Jumped Catalog Number
						
Configuration: TP (2L1 + 2L2 + 2L3 + 1PE)						
JBEP7532230	4 x M50 with earth continuity device		10.80 (23.80)	55.20 (3368.51)	750 x 320 x 230 (29.53 x 12.60 x 9.06)	JBEP753223AP01
JBEP7532150	4 x M50 with four cable glands for unarmored cable – diameter 28 to 42 mm (1.10 to 1.65 in)		9.75 (21.50)	36.00 (2196.85)	750 x 320 x 150 (29.53 x 12.60 x 5.91)	JBEP753215NP01
						
Configuration: TP (3L1 + 3L2 + 3L3 + 1PE)						
JBEP7532230	6 x M50 with earth continuity device		10.80 (23.80)	55.20 (3368.51)	750 x 320 x 230 (29.53 x 12.60 x 9.06)	JBEP753223AP02
JBEP7532230	6 x M50 with six cable glands for unarmored cable – diameter 28 to 42 mm (1.10 to 1.65 in)		10.80 (23.80)	55.20 (3368.51)	750 x 320 x 230 (29.53 x 12.60 x 9.06)	JBEP753223NP02
						
Configuration: TP + N (2L1 + 2L2 + 2L3 + 2N + 1PE)						
JBEP7532230	4 x M50 with earth continuity device		10.80 (23.80)	55.20 (3368.51)	750 x 320 x 230 (29.53 x 12.60 x 9.06)	JBEP753223AP03
JBEP7532150	4 x M50 with four cable glands for unarmored cable – diameter 28 to 42 mm (1.10 to 1.65 in)		9.75 (21.50)	36.00 (2196.85)	750 x 320 x 150 (29.53 x 12.60 x 5.91)	JBEP753215NP03

ATX™ JBEP Series FRP Terminal Junction Boxes for Electrical and Power Applications

Fiberglass Reinforced Polyester. Increased Safety. Factory Drilled and Equipped.

Maximum Capacity Per Terminal: 240 mm²

NEC/CEC:
Class I, Zone 1, AEx e IIC, T5 or T6
Ex e IIC, T5 or T6
IP66

ATEX/IECEx:
Zone 1 and 2 – 21 and 22
Ex II 2 GD
IP66 – IK10



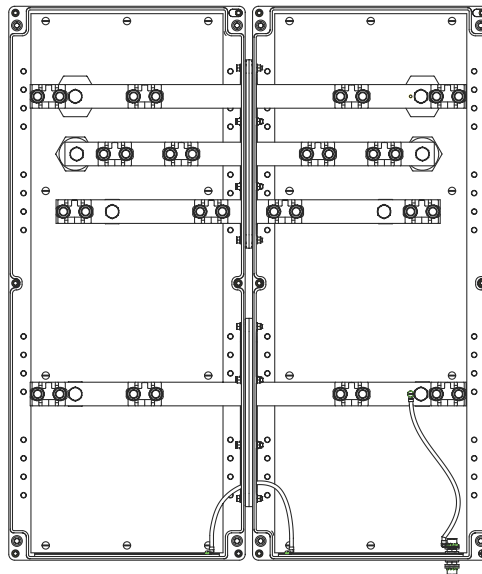
JBEP753215AP72

Ex eb IIC Factory Drilled JBEP Polyester Junction Boxes Equipped with Clamping Terminals and Earth Stud

- 35/240 mm² clamping terminals on a bus bar and earth terminal (Earth Bus), Rating 400 Amps, 1100 Volts

Enclosure Type	Equipment	Entry Layout	Weight kg (lb)	Volume dm ³ (in ³)	Dimensions – mm (in)	Standard Bus Bar Catalog Number
Configuration: (L1 + L2 + L3 + PE All Copper Bars)						
2 x JBEP7532150	3 x M50 with earth continuity device, 3 Clamping terminals per bar		40.50 (89.30)	73.13 (4462.36)	750 x 650 x 150 (29.53 x 25.59 x 5.91)	JBEP753215AP61
2 x JBEP7532150	4 x M50 with earth continuity device, 4 Clamping terminals per bar		40.50 (89.30)	73.13 (4462.36)	750 x 650 x 150 (29.53 x 25.59 x 5.91)	JBEP753215AP62
2 x JBEP7532150	3 x M63 with earth continuity device, 3 Clamping terminals per bar		40.50 (89.30)	73.13 (4462.36)	750 x 650 x 150 (29.53 x 25.59 x 5.91)	JBEP753215AP71
2 x JBEP7532150	4 x M63 with earth continuity device, 4 Clamping terminals per bar		40.50 (89.30)	73.13 (4462.36)	750 x 650 x 150 (29.53 x 25.59 x 5.91)	JBEP753215AP72

Example of Two JBEP753215 Enclosures Coupled



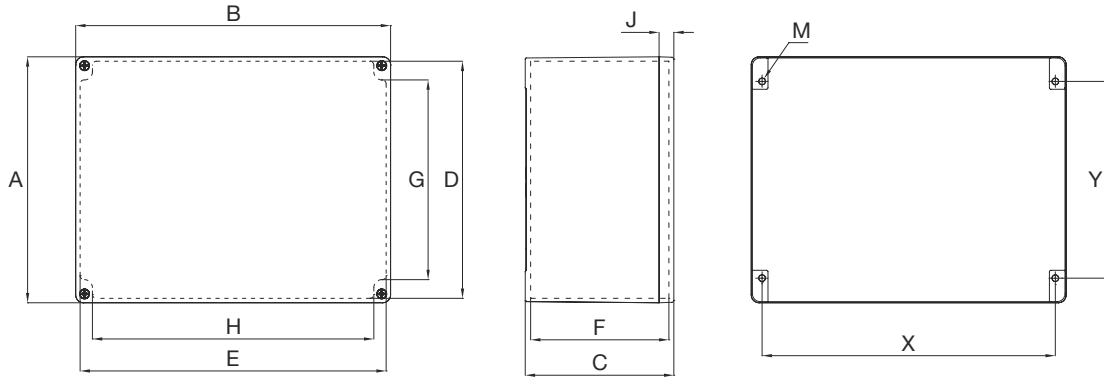
ATX™ JBEP Series FRP Terminal Junction Boxes for Electrical and Power Applications

Fiberglass Reinforced Polyester. Increased Safety. Factory Drilled and Equipped.

NEC/CEC:
Class I, Zone 1, AEx e IIC, T5 or T6
Ex e IIC, T5 or T6
IP66

ATEX/IECEx:
Zone 1 and 2 – 21 and 22
II 2 GD
IP66 – IK10

Dimensions in Millimeters (Inches) ①



Enclosure Catalog Number	External Dimension				Internal Dimensions				Cover J	Body Thickness	Wall Fixing		
	A	B	C	D	E	F	G	H			X	Y	M ②
JBEP0808060	85.0 (3.346)	85.0 (3.346)	61.0 (2.402)	76.7 (3.020)	76.7 (3.020)	47.0 (1.850)	41.0 (1.614)	51.0 (2.008)	15.0 (0.591)	3.5 (0.138)	69.0 (2.717)	49.0 (1.929)	M4
JBEP1212090	120.0 (4.724)	120.0 (4.724)	91.0 (3.583)	109.5 (4.311)	109.5 (4.311)	75.0 (2.953)	63.0 (4.528)	85.0 (3.346)	40.0 (1.575)	4.5 (0.177)	103.0 (4.055)	83.0 (3.268)	M5
JBEP121209S0	120.0 (4.724)	120.0 (4.724)	91.0 (3.583)	108.6 (4.276)	108.6 (4.276)	75.0 (2.953)	63.0 (4.528)	85.0 (3.346)	15.0 (0.591)	4.5 (0.177)	103.0 (4.055)	83.0 (3.268)	M5
JBEP1717090	170.0 (6.693)	170.0 (6.693)	91.0 (3.583)	158.5 (6.240)	158.5 (6.240)	72.0 (2.835)	112.5 (4.429)	137.0 (5.394)	15.0 (0.591)	4.5 (0.177)	153.0 (6.024)	131.0 (5.157)	M5
JBEP2021100	200.0 (7.874)	215.0 (8.465)	95.0 (3.740)	185.8 (7.315)	200.8 (7.906)	76.0 (2.992)	116.0 (4.567)	159.0 (6.260)	20.0 (0.787)	6.1 (0.240)	189.0 (7.441)	146.0 (5.748)	M6
JBEP2021150	200.0 (7.874)	215.0 (8.465)	145.0 (5.709)	185.8 (7.315)	200.8 (7.906)	122.5 (4.823)	114.8 (4.519)	159.0 (6.260)	20.0 (0.787)	6.1 (0.240)	189.0 (7.441)	146.0 (5.748)	M6
JBEP2532150	250.0 (9.843)	320.0 (12.598)	150.0 (5.906)	241.0 (9.488)	311.0 (12.244)	133.5 (5.256)	171.0 (6.732)	267.0 (10.512)	15.0 (0.591)	5.0 (0.197)	200.0 (7.874)	298.0 (11.732)	M6
JBEP3225150	320.0 (12.598)	250.0 (9.843)	150.0 (5.906)	311.0 (12.244)	241.0 (9.488)	133.5 (5.256)	267.0 (10.512)	171.0 (6.732)	15.0 (0.591)	5.0 (0.197)	298.0 (11.732)	200.0 (7.874)	M6
JBEP3250150	320.0 (12.598)	500.0 (19.685)	150.0 (5.906)	311.0 (12.244)	491.0 (19.331)	133.5 (5.256)	267.0 (10.512)	421.0 (16.575)	15.0 (0.591)	5.0 (0.197)	298.0 (11.732)	447.0 (17.598)	M6
JBEP3250230	320.0 (12.598)	500.0 (19.685)	230.0 (9.055)	311.0 (12.244)	491.0 (19.331)	213.5 (8.406)	267.0 (10.512)	421.0 (16.575)	15.0 (0.591)	5.0 (0.197)	298.0 (11.732)	447.0 (17.598)	M6
JBEP3275150	320.0 (12.598)	750.0 (29.528)	150.0 (5.906)	311.0 (12.244)	741.0 (29.173)	133.5 (5.256)	267.0 (10.512)	671.0 (26.417)	15.0 (0.591)	5.0 (0.197)	298.0 (11.732)	698.0 (27.480)	M6
JBEP3275230	320.0 (12.598)	750.0 (29.528)	230.0 (9.055)	311.0 (12.244)	741.0 (29.173)	213.5 (8.406)	267.0 (10.512)	671.0 (26.417)	15.0 (0.591)	5.0 (0.197)	298.0 (11.732)	698.0 (27.480)	M6

① Wall fixing screw diameter 5 mm (0.20"). Wall fixing screw hole 6 mm (0.24").

② Screw to be used for mounting box.

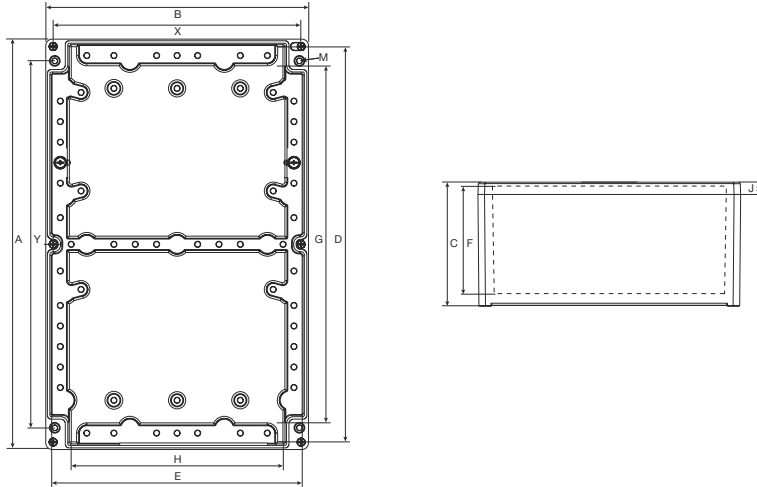
ATX™ JBEP Series FRP Terminal Junction Boxes for Electrical and Power Applications

Fiberglass Reinforced Polyester. Increased Safety. Factory Drilled and Equipped.

NEC/CEC:
Class I, Zone 1, AEx e IIC, T5 or T6
Ex e IIC, T5 or T6
IP66

ATEX/IECEx:
Zone 1 and 2 – 21 and 22
Ex II 2 GD
IP66 – IK10

Dimensions in Millimeters (Inches) ①



Enclosure Catalog Number	External Dimension				Internal Dimensions				Cover	Body	Wall Fixing		
	A	B	C	D	E	F	G	H	J	Thickness	X	Y	M ②
JBEP5032150	500 (19.685)	320 (12.598)	150 (5.906)	491 (19.331)	311 (12.244)	133.5 (5.256)	421 (16.575)	267 (10.512)	15 (0.591)	5 (0.197)	447 (17.598)	298 (11.732)	M6
JBEP5032230	500 (19.685)	320 (12.598)	230 (9.055)	491 (19.331)	311 (12.244)	213.5 (8.406)	421 (16.575)	267 (10.512)	15 (0.591)	5 (0.197)	447 (17.598)	298 (11.732)	M6
JBEP7532150	750 (29.528)	320 (12.598)	150 (5.906)	741 (29.173)	311 (12.244)	133.5 (5.256)	671 (26.417)	267 (10.512)	15 (0.591)	5 (0.197)	298 (11.732)	698 (27.480)	M6
JBEP7532230	750 (29.528)	320 (12.598)	230 (9.055)	741 (29.173)	311 (12.244)	213.5 (8.406)	671 (26.417)	267 (10.512)	15 (0.591)	5 (0.197)	698 (27.480)	298 (11.732)	M6

① Wall fixing screw diameter 5 mm (0.20"). Wall fixing screw hole 6 mm (0.24").

② Screw to be used for mounting box.

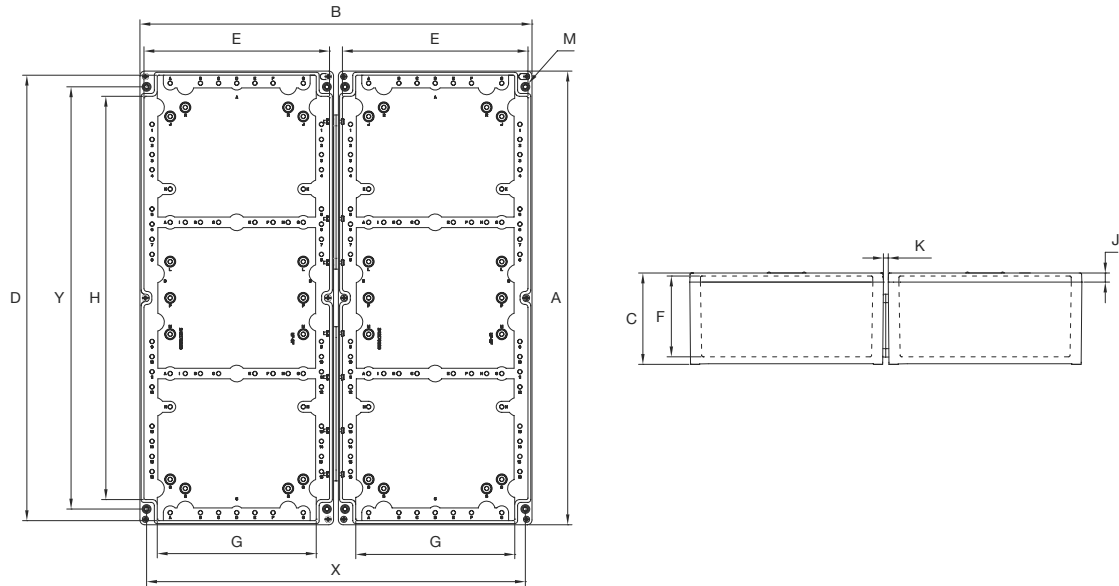
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Zone 1 and 2 – 21 and 22
Ex II 2 GD
IP66 – IK10

Dimensions in Millimeters (Inches) ①



Enclosure Catalog Number	External Dimension			Internal Dimensions						Cover	Body	Wall Fixing		M ②
	A	B	C	D	E (x2)	F	G (x2)	H		J	Thickness	X	Y	
2 X JBEP7532150	750 (29.528)	648 (25.512)	150 (5.906)	741 (29.173)	311 (12.244)	133 (5.256)	267 (10.512)	671 (26.417)	8 (0.315)	15 (0.591)	5 (0.197)	626 (24.646)	698 (27.480)	M6

① Wall fixing screw diameter 5 mm (0.20"). Wall fixing screw hole 6 mm (0.24").

② Screw to be used for mounting box.