

JBEP Series Fiberglass Reinforced Polyester Terminal Junction Boxes for Electrical and Power Applications

Increased Safety. Factory Drilled and Equipped

Zones 1 & 2 – 21 & 22
Gas (G) and Dust (D)

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 through 240 mm².
- Optional external hinged enclosures:
 - Reversible door opening 120°.
 - Door with double bar lock.
 - Key locking facility.

Standard materials

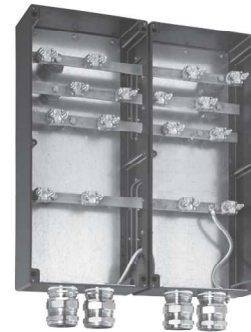
- Enclosures: Static resistant carbon filled fiberglass reinforced polyester (FRP)
- Hardware: stainless steel
- Gasket for sizes 85 x 85, 120 x 120: silicone
- Gasket for other sizes: EPDM (ethylene propylene diene monomer rubber)

Options

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



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



Sample of 2 x JBEP753215

Certifications and compliances ①

◆ ATEX/IECEx Certification

- **Type : JBEP**
 - Gas, Zones 1 and 2:
 - Conforming to ATEX 94/9/EC: Ⓔ II 2G
 - Conforming to IECEx : EPL Gb
 - Type of Protection: Ex eb IIC
 - Temperature class:
T6 for Ta ≤ +40 °C , T5 for Ta ≤ +60 °C
 - Dust Zones 21 and 22:
 - Conforming to ATEX: Ⓔ II 2D
 - Conforming to IECEx: EPL Db
 - Type of Protection: Ex tb IIIC
 - Surface Temperature :
T60 °C for Ta ≤ +40 °C , T90 °C for Ta ≤ +60 °C
 - Ambient Temperatures : -55 °C ≤ Ta ≤ +60 °C
 - 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
 - Impact Resistance: IK10

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

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

◆ EURASEC Certification

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

◆ Others Certification

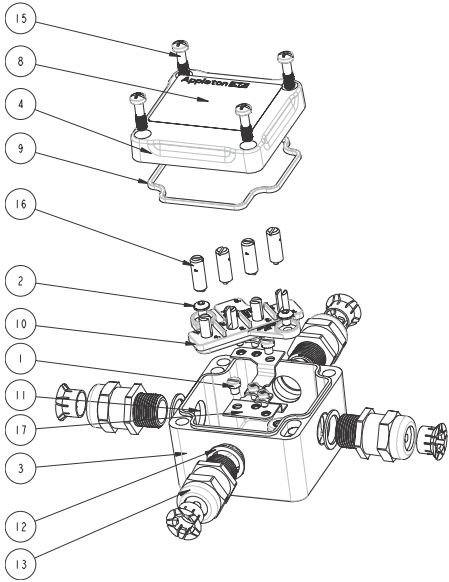
- Type : JBEP
— INMETRO Certificate: BVC 13.3238-X ①

Related Products

- For a complete offering of cable glands for use with armored and unarmored cable, see *Fittings: Cable Glands*.

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 Inmetro certification available on special request only. Contact your local sales 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 - ATEX/IECEX Certified Junction Box	Material: P - Polyester	Dimensions Height: 08 - 85 mm 12 - 120 mm 17 - 170 mm 20 - 200 mm 25 - 250 mm 32 - 320 mm 50 - 500 mm 75 - 750 mm	Dimensions Width: 08 - 85 mm 12 - 120 mm 17 - 170 mm 21 - 215 mm 25 - 250 mm 32 - 320 mm 50 - 500 mm 75 - 750 mm	Dimensions Depth: 06 - 60 mm 09 - 91 mm 09S - 91 mm 10 - 95 mm 15 - 150 mm 23 - 230 mm	Cable Type: A - Armored N - Non-Armored	Options: <i>(Options must be listed alphabetically)</i> E - Electrical: 2.5 mm ² x 10 mm ² P - Power: 16 mm ² to 240 mm ²	Suffix: 01 to 99 Assigned at Factory	Other Suffix: T - Mantle Clamping (Pillar Terminals)

JBEP Series FRP Terminal Junction Boxes for Electrical/Power Applications

Increased Safety. Factory Drilled and Equipped

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

Zones 1 & 2 – 21 & 22
Gas (G) and Dust (D)



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	Volume dm ³	Dimensions mm	Catalog Number
JBEP080806	3 x M20 with earth continuity sheet		0.42	0.44	85 x 85 x 61	JBEP080806AE03T
JBEP080806	3 x M20 with three cable glands for unarmored cable – diameter 6.5 to 14.5 mm		0.45	0.44	85 x 85 x 61	JBEP080806NE03T
JBEP080806	4 x M20 with earth continuity sheet		0.43	0.44	85 x 85 x 61	JBEP080806AE04T
JBEP080806	4 x M20 with four cable glands for unarmored cable – diameter 6.5 to 14.5 mm		0.48	0.44	85 x 85 x 61	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	Volume dm ³	Dimensions mm	Catalog Number
JBEP121209S	3 x M20 with earth continuity sheet		0.85	1.31	120 x 120 x 91	JBEP121209AE03T
JBEP121209S	3 x M25 with three cable glands for unarmored cable – diameter 8 to 17 mm ②		0.9	1.31	120 x 120 x 91	JBEP121209NE13T
JBEP121209S	4 x M20 with earth continuity sheet		0.88	1.31	120 x 120 x 91	JBEP121209AE04T
JBEP121209S	4 x M25 with four cable glands for unarmored cable – diameter 8 to 17 mm ②		0.95	1.31	120 x 120 x 91	JBEP121209NE14T

Shaded catalog numbers are normally stocked items. All other items are made to order.

JBEP Series FRP Terminal Junction Boxes for Electrical/Power Applications

Increased Safety. Factory Drilled and Equipped

Maximum Capacity Per Terminal: 4 x 6 mm²

Zones 1 & 2 – 21 & 22
Gas (G) and Dust (D)

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	Volume dm ³	Dimensions mm	Catalog Number
JBEP171709	4 x M20 with earth continuity sheet		1.63	2.63	170 x 170 x 91	JBEP171709AE04T
JBEP171709	4 x M20 with three cable glands for unarmored cable – diameter 6.5 to 14.5 mm		1.55	2.63	170 x 170 x 91	JBEP171709NE04T
JBEP171709	6 x M20 with earth continuity sheet		1.55	2.63	170 x 170 x 91	JBEP171709AE06T
JBEP171709	6 x M20 with three cable glands for unarmored cable – diameter 6.5 to 14.5 mm		1.65	2.63	170 x 170 x 91	JBEP171709NE06T
JBEP171709	4 x M25 with earth continuity sheet		1.62	2.63	170 x 170 x 91	JBEP171709AE14T
JBEP171709	4 x M25 with four cable glands for unarmored cable – diameter 8 to 17 mm		1.60	2.63	170 x 170 x 91	JBEP171709NE14T
JBEP171709	6 x M25 with earth continuity sheet		1.55	2.63	170 x 170 x 91	JBEP171709AE16T
JBEP171709	6 x M25 with four cable glands for unarmored cable – diameter 8 to 17 mm		1.65	2.63	170 x 170 x 91	JBEP171709NE16T

JBEP Series FRP Terminal Junction Boxes for Electrical/Power Applications

Increased Safety. Factory Drilled and Equipped

Maximum Capacity Per Terminal: 2 x 4 mm²

Zones 1 & 2 – 21 & 22
Gas (G) and Dust (D)



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	Volume dm ³	Dimensions mm	Terminal Jumped Catalog Number
Configuration: P + N (1PE + 2L + 2N + 1PE)						
JBEP080806	3 x M20 with earth continuity device		0.40	0.44	85 x 85 x 61	JBEP080806AE03
JBEP080806	3 x M20 with four cable glands for unarmored cable – diameter 6.5 to 14.5 mm		0.42	0.44	85 x 85 x 61	JBEP080806NE03
JBEP080806	4 x M20 with earth continuity device		0.40	0.44	85 x 85 x 61	JBEP080806AE05
JBEP080806	4 x M20 with four cable glands for unarmored cable – diameter 6.5 to 14.5 mm		0.45	0.44	85 x 85 x 61	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	Volume dm ³	Dimensions mm	Catalog Number
Configuration: P + N (1PE + 1 + 2 + 3 + 4 + 1PE)						
JBEP080806	2 x M20 with earth continuity device, rated Ex eb IIC		0.40	0.44	85 x 85 x 60	JBEP080806AE22
JBEP080806	2 x M20 with earth continuity device, rated Ex ia IIC		0.45	0.44	85 x 85 x 60	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	Volume dm ³	Dimensions mm	Catalog Number
Configuration: P + N (1PE + 1 + 2 + 3 + 4 + 5 + 6 + 1PE)						
JBEP080806	4 x M20 with earth continuity device, rated Ex eb IIC		0.40	0.44	85 x 85 x 60	JBEP080806AE24
JBEP080806	4 x M20 with earth continuity device, rated Ex ia IIC		0.45	0.44	85 x 85 x 60	JBEP080806AE25

JBEP Series FRP Terminal Junction Boxes for Electrical/Power Applications

Increased Safety. Factory Drilled and Equipped

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

Zones 1 & 2 – 21 & 22
Gas (G) and Dust (D)



JBEP121209AE05

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	Volume dm ³	Dimensions mm	Terminal Jumped Catalog Number
Configuration: P + N (1PE + 2L + 2N + 1PE)						
JBEP121209S	4 x M20 with earth continuity device		0.89	1.31	120 x 120 x 91	JBEP121209AE07
JBEP121209S	4 x M25 with four cable glands for unarmored cable – diameter 8 to 17 mm		0.93	1.31	120 x 120 x 91	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	Volume dm ³	Dimensions mm	Terminal Jumped Catalog Number
Configuration: P + N (1PE + 2L + 2N + 1PE)						
JBEP121209S	4 x M20 with earth continuity device		1.00	1.31	120 x 120 x 91	JBEP121209AE45
JBEP121209S	4 x M25 with four cable glands for unarmored cable – diameter 8 to 17 mm		1.00	1.31	120 x 120 x 91	JBEP121209NE46
JBEP121209S	4 x M20 with earth continuity device		0.96	1.31	120 x 120 x 91	JBEP121209AE47
JBEP121209S	4 x M25 with four cable glands for unarmored cable – diameter 8 to 17 mm		1.00	1.31	120 x 120 x 91	JBEP121209NE48

JBEP Series FRP Terminal Junction Boxes for Electrical/Power Applications

Increased Safety. Factory Drilled and Equipped

Maximum Capacity Per Terminal: 2 x 4 mm²

Zones 1 & 2 – 21 & 22
Gas (G) and Dust (D)



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	Volume dm ³	Dimensions mm	Terminal Jumped Catalog Number
Configuration: TP (1PE + 2L1 + 2L2 + 2L3 + 1PE)						
JBEP121209	4 x M20 with earth continuity device		0.88	1.31	120 x 120 x 91	JBEP121209AE25
JBEP121209	4 x M25 with four cable glands for unarmored cable – diameter 8 to 17 mm		0.87	1.31	120 x 120 x 91	JBEP121209NE26
JBEP121209	4 x M20 with earth continuity device		0.84	1.31	120 x 120 x 91	JBEP121209AE27
JBEP121209	4 x M25 with four cable glands for unarmored cable – diameter 8 to 17 mm		0.88	1.31	120 x 120 x 91	JBEP121209NE28

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

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

Enclosure Type	Equipment	Entry Layout	Weight kg	Volume dm ³	Dimensions mm	Terminal Jumped Catalog Number
Configuration: TP + N (1PE + 3L1 + 3L2 + 3L3 + 3N + 1PE)						
JBEP171709	4 x M25 with earth continuity device		1.54	2.63	170 x 170 x 91	JBEP171709AE46
JBEP171709	4 x M25 with four cable glands for unarmored cable – diameter 8 to 17 mm		1.54	2.63	170 x 170 x 91	JBEP171709NE46
Configuration: TP + N (1PE + 3L1 + 3L2 + 3L3 + 3N + 2PE)						
JBEP171709	6 x M20 with earth continuity device		1.54	2.63	170 x 170 x 91	JBEP171709AE47
JBEP171709	6 x M20 with four cable glands for unarmored cable – diameter 6.5 to 14.5 mm		1.54	2.63	170 x 170 x 91	JBEP171709NE47
JBEP171709	6 x M25 with earth continuity device		1.54	2.63	170 x 170 x 91	JBEP171709AE48
JBEP171709	6 x M25 with four cable glands for unarmored cable – diameter 8 to 17 mm		1.54	2.63	170 x 170 x 91	JBEP171709NE48

JBEP Series FRP Terminal Junction Boxes for Electrical/Power Applications

Increased Safety. Factory Drilled and Equipped

Maximum Capacity Per Terminal: 6 mm²

Zones 1 & 2 – 21 & 22
Gas (G) and Dust (D)



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	Volume dm ³	Dimensions mm	Terminal Jumped Catalog Number
Configuration: P + N (1PE + 2L + 2N + 1PE)						
JBEP171709	3 x M20 with earth continuity device		1.54	2.63	170 x 170 x 91	JBEP171709AE01
JBEP171709	3 x M25 with three cable glands for unarmored cable – diameter 8 to 17 mm		1.54	2.63	170 x 170 x 91	JBEP171709NE01
JBEP171709	4 x M20 with earth continuity device		1.54	2.63	170 x 170 x 91	JBEP171709AE02
JBEP171709	4 x M25 with four cable glands for unarmored cable – diameter 8 to 17 mm		1.54	2.63	170 x 170 x 91	JBEP171709NE02
JBEP171709	4 x M20 with earth continuity device		1.54	2.63	170 x 170 x 91	JBEP171709AE03
JBEP171709	4 x M25 with four cable glands for unarmored cable – diameter 8 to 17 mm		1.54	2.63	170 x 170 x 91	JBEP171709NE03
Configuration: P + N (1PE + 3L + 3N + 2PE)						
JBEP171709	6 x M20 with earth continuity device		1.54	2.63	170 x 170 x 91	JBEP171709AE04
JBEP171709	6 x M25 with six cable glands for unarmored cable – diameter 8 to 17 mm		1.54	2.63	170 x 170 x 91	JBEP171709NE04
Configuration: TP (1PE + 2L1 + 2L2 + 2L3 + 1PE)						
JBEP171709	3 x M20 with earth continuity device		1.54	2.63	170 x 170 x 91	JBEP171709AE05
JBEP171709	3 x M25 with three cable glands for unarmored cable – diameter 8 to 17 mm		1.54	2.63	170 x 170 x 91	JBEP171709NE05
JBEP171709	4 x M20 with earth continuity device		1.54	2.63	170 x 170 x 91	JBEP171709AE06
JBEP171709	4 x M25 with four cable glands for unarmored cable – diameter 8 to 17 mm		1.54	2.63	170 x 170 x 91	JBEP171709NE06
JBEP171709	4 x M20 with earth continuity device		1.54	2.63	170 x 170 x 91	JBEP171709AE07
JBEP171709	4 x M25 with four cable glands for unarmored cable – diameter 8 to 17 mm		1.54	2.63	170 x 170 x 91	JBEP171709NE07

JBEP Series FRP Terminal Junction Boxes for Electrical/Power Applications

Increased Safety. Factory Drilled and Equipped

Maximum Capacity Per Terminal: 6 mm²

Zones 1 & 2 – 21 & 22
Gas (G) and Dust (D)



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	Volume dm ³	Dimensions mm	Terminal Jumped Catalog Number
Configuration: TP (2PE + 3L1 + 3L2 + 3L3 + 1PE)						
JBEP171709	6 x M20 with earth continuity device		1.54	2.63	170 x 170 x 91	JBEP171709AE08
JBEP171709	6 x M25 with six cable glands for unarmored cable – diameter 8 to 17 mm		1.54	2.63	170 x 170 x 91	JBEP171709NE08
Configuration: TP + N (2PE + 2L1 + 2L2 + 2L3 + 2N + 1PE)						
JBEP171709	3 x M20 with earth continuity device		1.54	2.63	170 x 170 x 91	JBEP171709AE09
JBEP171709	3 x M25 with three cable glands for unarmored cable – diameter 8 to 17 mm		1.54	2.63	170 x 170 x 91	JBEP171709NE09
JBEP171709	4 x M20 with earth continuity device		1.54	2.63	170 x 170 x 91	JBEP171709AE10
JBEP171709	4 x M25 with four cable glands for unarmored cable – diameter 8 to 17 mm		1.54	2.63	170 x 170 x 91	JBEP171709NE10
JBEP171709	4 x M20 with earth continuity device		1.54	2.63	170 x 170 x 91	JBEP171709AE11
JBEP171709	4 x M25 with four cable glands for unarmored cable – diameter 8 to 17 mm		1.54	2.63	170 x 170 x 91	JBEP171709NE11
Configuration: TP + N (2PE + 3L1 + 3L2 + 3L3 + 3N + 1PE)						
JBEP202110	6 x M20 with earth continuity device		2.04	4.09	200 x 215 x 95	JBEP202110AE12
JBEP202110	6 x M25 with six cable glands for unarmored cable – diameter 8 to 17 mm		2.04	4.09	200 x 215 x 95	JBEP202110NE12

JBEP Series FRP Terminal Junction Boxes for Electrical/Power Applications

Increased Safety. Factory Drilled and Equipped

Maximum Capacity Per Terminal: 10 mm²

Zones 1 & 2 – 21 & 22
Gas (G) and Dust (D)



JBEP171709AE06

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	Volume dm ³	Dimensions mm	Terminal Jumped Catalog Number
Configuration: P + N (1PE + 2L + 2N + 1PE)						
JBEP171709	3 x M20 with earth continuity device		2.04	2.63	170 x 170 x 91	JBEP171709AE51
JBEP171709	3 x M25 with three cable glands for unarmored cable – diameter 8 to 17 mm		2.04	2.63	170 x 170 x 91	JBEP171709NE51
JBEP171709	4 x M20 with earth continuity device		2.04	2.63	170 x 170 x 91	JBEP171709AE52
JBEP171709	4 x M25 with four cable glands for unarmored cable – diameter 8 to 17 mm		2.04	2.63	170 x 170 x 91	JBEP171709NE52
JBEP171709	4 x M20 with earth continuity device		2.04	2.63	170 x 170 x 91	JBEP171709AE53
JBEP171709	4 x M25 with four cable glands for unarmored cable – diameter 8 to 17 mm		2.04	2.63	170 x 170 x 91	JBEP171709NE53

JBEP Series FRP Terminal Junction Boxes for Electrical/Power Applications

Increased Safety. Factory Drilled and Equipped

Maximum Capacity Per Terminal: 10 mm²

Zones 1 & 2 – 21 & 22
Gas (G) and Dust (D)



JBEP171709AE06

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	Volume dm ³	Dimensions mm	Terminal Jumped Catalog Number
Configuration: P + N (2PE + 3L + 3N + 1PE)						
JBEP171709	6 x M20 with earth continuity device		2.04	2.63	170 x 170 x 91	JBEP171709AE54
JBEP171709	6 x M25 with six cable glands for unarmored cable – diameter 8 to 17 mm		2.04	2.63	170 x 170 x 91	JBEP171709NE54
Configuration: TP (1PE + 2L1 + 2L2 + 2L3 + 1PE)						
JBEP171709	3 x M25 with earth continuity device		2.04	2.63	170 x 170 x 91	JBEP171709AE55
JBEP171709	3 x M25 with three cable glands for unarmored cable – diameter 8 to 17 mm		2.04	2.63	170 x 170 x 91	JBEP171709NE55
JBEP171709	4 x M25 with earth continuity device		2.04	2.63	170 x 170 x 91	JBEP171709AE56
JBEP171709	4 x M25 with four cable glands for unarmored cable – diameter 8 to 17 mm		2.04	2.63	170 x 170 x 91	JBEP171709NE56
JBEP171709	4 x M25 with earth continuity device		2.04	2.63	170 x 170 x 91	JBEP171709AE57
JBEP171709	4 x M25 with four cable glands for unarmored cable – diameter 8 to 17 mm		2.04	2.63	170 x 170 x 91	JBEP171709NE57

JBEP Series FRP Terminal Junction Boxes for Electrical/Power Applications

Increased Safety. Factory Drilled and Equipped

Maximum Capacity Per Terminal: 10 mm²

Zones 1 & 2 – 21 & 22
Gas (G) and Dust (D)



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	Volume dm ³	Dimensions mm	Terminal Jumped Catalog Number
					PE L1 L2 L3 PE	
Configuration: TP (2PE + 3L1 + 3L2 + 3L3 + 1PE)						
JBEP171709	6 x M25 with earth continuity device		1.60	2.63	170 x 170 x 91	JBEP171709AE58
JBEP171709	6 x M25 with six cable glands for unarmored cable – diameter 8 to 17 mm		1.60	2.63	170 x 170 x 91	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	Volume dm ³	Dimensions mm	Terminal Jumped Catalog Number
					PE L1 L2 L3 N PE	
Configuration: TP + N (2PE + 2L1 + 2L2 + 2L3 + 2N + 1PE)						
JBEP171709	3 x M25 with earth continuity device		1.60	2.63	170 x 170 x 91	JBEP171709AE59
JBEP171709	3 x M32 with three cable glands for unarmored cable – diameter 10 to 25 mm		1.60	2.63	170 x 170 x 91	JBEP171709NE59
JBEP171709	4 x M25 with earth continuity device		1.60	2.63	170 x 170 x 91	JBEP171709AE60
JBEP171709	4 x M32 with four cable glands for unarmored cable – diameter 10 to 25 mm		1.60	2.63	170 x 170 x 91	JBEP171709NE60
JBEP171709	4 x M25 with earth continuity device		1.60	2.63	170 x 170 x 91	JBEP171709AE61
JBEP171709	4 x M32 with four cable glands for unarmored cable – diameter 10 to 25 mm		1.60	2.63	170 x 170 x 91	JBEP171709NE61

JBEP Series FRP Terminal Junction Boxes for Electrical/Power Applications

Increased Safety. Factory Drilled and Equipped

Maximum Capacity Per Terminal: 10 mm²

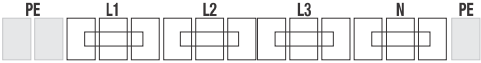
Zones 1 & 2 – 21 & 22
Gas (G) and Dust (D)



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 40 Amps, 550 Volts

Enclosure Type	Equipment	Entry Layout	Weight kg	Volume dm ³	Dimensions mm	Terminal Jumped Catalog Number
Configuration: TP + N (2PE + 3L1 + 3L2 + 3L3 + 3N + 1PE)						
JBEP202110	6 x M25 with earth continuity device		2.10	4.09	200 x 215 x 95	JBEP202110AE62
JBEP202110	6 x M32 with six cable glands for unarmored cable – diameter 10 to 25 mm		2.10	4.09	200 x 215 x 95	JBEP202110NE62

Enclosures and Junction Boxes

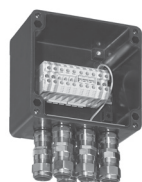
INCREASED SAFETY EX E ZONE 1 RATED JUNCTION BOXES

JBEP Series FRP Terminal Junction Boxes for Electrical/Power Applications

Increased Safety. Factory Drilled and Equipped

Maximum Capacity Per Terminal: 16 mm²

Zones 1 & 2 – 21 & 22
Gas (G) and Dust (D)



JBEP202115AP06

Ex eb IIC Factory Drilled JBEP Polyester Junction Boxes - Equipped with Screw Terminals, Earth Terminals and M8 Earth Stud

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

Enclosure Type	Equipment	Entry Layout	Weight kg	Volume dm ³	Dimensions mm	Terminal Jumped Catalog Number
Configuration: P + N (1PE + 2L + 2N + 2PE)						
JBEP202115	3 x M25 with earth continuity device 1 x M8 Earth Stud		4.00	6.45	200 x 215 x 145	JBEP202115AP01
JBEP202115	3 x M25 with three cable glands for unarmored cable – diameter 8 to 17 mm		4.00	6.45	200 x 215 x 145	JBEP202115NP01
JBEP202115	4 x M25 with earth continuity device 1 x M8 Earth Stud		4.00	6.45	200 x 215 x 145	JBEP202115AP02
JBEP202115	4 x M25 with four cable glands for unarmored cable – diameter 8 to 17 mm		4.00	6.45	200 x 215 x 145	JBEP202115NP02
JBEP202115	4 x M25 with earth continuity device 1 x M8 Earth Stud		4.00	6.45	200 x 215 x 145	JBEP202115AP03
JBEP202115	4 x M25 with four cable glands for unarmored cable – diameter 8 to 17 mm		4.00	6.45	200 x 215 x 145	JBEP202115NP03
JBEP202115	4 x M25 with earth continuity device 1 x M8 Earth Stud		4.00	6.45	200 x 215 x 145	JBEP202115AP04
JBEP202115	4 x M25 with four cable glands for unarmored cable – diameter 8 to 17 mm		4.00	6.45	200 x 215 x 145	JBEP202115NP04

Ex eb IIC Factory Drilled JBEP Polyester Junction Boxes - Equipped with Screw Terminals, Earth Terminals and M8 Earth Stud

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

Enclosure Type	Equipment	Entry Layout	Weight kg	Volume dm ³	Dimensions mm	Terminal Jumped Catalog Number
Configuration: P + N (2PE + 3L + 3N + 2PE)						
JBEP202115	6 x M25 with earth continuity device 1 x M8 Earth Stud		4.00	6.45	200 x 215 x 145	JBEP202115AP05
JBEP202115	6 x M25 with six cable glands for unarmored cable – diameter 8 to 17 mm		4.00	6.45	200 x 215 x 145	JBEP202115NP05
JBEP202115	6 x M25 with earth continuity device 1 x M8 Earth Stud		4.00	6.45	200 x 215 x 145	JBEP202115AP06
JBEP202115	6 x M25 with six cable glands for unarmored cable – diameter 8 to 17 mm		4.00	6.45	200 x 215 x 145	JBEP202115NP06

JBEP Series FRP Terminal Junction Boxes for Electrical/Power Applications

Increased Safety. Factory Drilled and Equipped

Maximum Capacity Per Terminal: 16 mm²

Zones 1 & 2 – 21 & 22
Gas (G) and Dust (D)



JBEP202115AP06

Ex eb IIC Factory Drilled JBEP Polyester Junction Boxes - Equipped with Screw Terminals, Earth Terminals and M8 Earth Stud

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

Enclosure Type	Equipment	Entry Layout	Weight kg	Volume dm³	Dimensions mm	Terminal Jumped Catalog Number				
						PE	L1	L2	L3	PE
Configuration: TP (1PE + 2L1 + 2L2 + 2L3 + 2PE)										
JBEP202115	3 x M25 with earth continuity device 1 x M8 Earth Stud		4.00	6.45	200 x 215 x 145	JBEP202115AP07				
JBEP202115	3 x M25 with three cable glands for unarmored cable – diameter 8 to 17 mm		4.00	6.45	200 x 215 x 145	JBEP202115NP07				
JBEP202115	4 x M25 with earth continuity device 1 x M8 Earth Stud		4.00	6.45	200 x 215 x 145	JBEP202115AP08				
JBEP202115	4 x M25 with four cable glands for unarmored cable – diameter 8 to 17 mm		4.00	6.45	200 x 215 x 145	JBEP202115NP08				
JBEP202115	4 x M25 with earth continuity device 1 x M8 Earth Stud		4.00	6.45	200 x 215 x 145	JBEP202115AP09				
JBEP202115	4 x M25 with four cable glands for unarmored cable – diameter 8 to 17 mm		4.00	6.45	200 x 215 x 145	JBEP202115NP09				
JBEP202115	4 x M25 with earth continuity device 1 x M8 Earth Stud		4.00	6.45	200 x 215 x 145	JBEP202115AP10				
JBEP202115	4 x M25 with four cable glands for unarmored cable – diameter 8 to 17 mm		4.00	6.45	200 x 215 x 145	JBEP202115NP10				

Ex eb IIC Factory Drilled JBEP Polyester Junction Boxes - Equipped with Screw Terminals, Earth Terminals and M8 Earth Stud

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

Enclosure Type	Equipment	Entry Layout	Weight kg	Volume dm³	Dimensions mm					Terminal Jumped Catalog Number
					PE	L1	L2	L3	PE	
Configuration: TP (2PE + 3L1 + 3L2 + 3L3 + 2PE)										
JBEP202115	6 x M25 with earth continuity device 1 x M8 Earth Stud		4.00	6.45	200 x 215 x 145					JBEP202115AP11
JBEP202115	6 x M25 with six cable glands for unarmored cable – diameter 8 to 17 mm		4.00	6.45	200 x 215 x 145					JBEP202115NP11
JBEP202115	6 x M25 with earth continuity device 1 x M8 Earth Stud		4.00	6.45	200 x 215 x 145					JBEP202115AP12
JBEP202115	6 x M25 with six cable glands for unarmored cable – diameter 8 to 17 mm		4.00	6.45	200 x 215 x 145					JBEP202115NP12

JBEP Series FRP Terminal Junction Boxes for Electrical/Power Applications

Increased Safety. Factory Drilled and Equipped

Maximum Capacity Per Terminal: 16 mm²

Zones 1 & 2 – 21 & 22
Gas (G) and Dust (D)



JBEP202115AP06

Ex eb IIC Factory Drilled JBEP Polyester Junction Boxes - Equipped with Screw Terminals, Earth Terminals and M8 Earth Stud

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

Enclosure Type	Equipment	Entry Layout	Weight kg	Volume dm³	Dimensions mm	Terminal Jumped Catalog Number					
						PE	L1	L2	L3	N	PE
Configuration: TP + N (2PE + 2L1 + 2L2 + 2L3 + 2N + PE)											
JBEP202115	3 x M25 with earth continuity device 1 x M8 Earth Stud		4.00	6.45	200 x 215 x 145	JBEP202115AP13					
JBEP202115	3 x M32 with three cable glands for unarmored cable – diameter 10 to 25 mm		4.00	6.45	200 x 215 x 145	JBEP202115NP13					
JBEP202115	4 x M25 with earth continuity device 1 x M8 Earth Stud		4.00	6.45	200 x 215 x 145	JBEP202115AP14					
JBEP202115	4 x M32 with four cable glands for unarmored cable – diameter 10 to 25 mm		4.00	6.45	200 x 215 x 145	JBEP202115NP14					
JBEP202115	4 x M25 with earth continuity device 1 x M8 Earth Stud		4.00	6.45	200 x 215 x 145	JBEP202115AP15					
JBEP202115	4 x M32 with four cable glands for unarmored cable – diameter 10 to 25 mm		4.00	6.45	200 x 215 x 145	JBEP202115NP15					
JBEP202115	4 x M25 with earth continuity device 1 x M8 Earth Stud		4.00	6.45	200 x 215 x 145	JBEP202115AP16					
JBEP202115	4 x M32 with four cable glands for unarmored cable – diameter 10 to 25 mm		4.00	6.45	200 x 215 x 145	JBEP202115NP16					

Ex eb IIC Factory Drilled JBEP Polyester Junction Boxes - Equipped with Screw Terminals, Earth Terminals and M8 Earth Stud

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

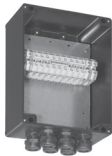
Enclosure Type	Equipment	Entry Layout	Weight kg	Volume dm³	Dimensions mm	Terminal Jumped Catalog Number			
				PE	L1	L2	L3	N	PE
Configuration: TP + N (2PE + 3L1 + 3L2 + 3L3 + 3N + 2PE)									
JBEP253215	6 x M25 with earth continuity device 1 x M8 Earth Stud		8,20	12,00	250 x 320 x 150	JBEP253215AP17			
JBEP253215	6 x M32 with six cable glands for unarmored cable – diameter 10 to 25 mm		8,20	12,00	250 x 320 x 150	JBEP253215NP17			
JBEP253215	6 x M25 with earth continuity device 1 x M8 Earth Stud		8,20	12,00	250 x 320 x 150	JBEP253215AP18			
JBEP253215	6 x M32 with six cable glands for unarmored cable – diameter 10 to 25 mm		8,20	12,00	250 x 320 x 150	JBEP253215NP18			

JBEP Series FRP Terminal Junction Boxes for Electrical/Power Applications

Increased Safety. Factory Drilled and Equipped

Maximum Capacity Per Terminal: 25/35 mm²

Zones 1 & 2 – 21 & 22
Gas (G) and Dust (D)



JBEP253215NP02

Ex eb IIC Factory Drilled JBEP Polyester Junction Boxes - Equipped with Screw Terminals, Earth Terminals and M8 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	Volume dm³	Dimensions mm	Terminal Jumped Catalog Number
Configuration: TP (1PE + 2L1 + 2L2 + 2L3 + 2PE)						
JBEP253215	4 x M32 with earth continuity device 1 x M8 Earth Stud		8.20	12.00	250 x 320 x 151	JBEP253215AP01
JBEP253215	4 x M32 with four cable glands for unarmored cable – diameter 10 to 25 mm		8.20	12.00	250 x 320 x 151	JBEP253215NP01

Ex eb IIC Factory Drilled JBEP Polyester Junction Boxes - Equipped with Screw Terminals, Earth Terminals and M8 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	Volume dm³	Dimensions mm	Terminal Jumped Catalog Number
Configuration: TP (2PE + 3L1 + 3L2 + 3L3 + 2PE)						
JBEP253215	6 x M32 with earth continuity device 1 x M8 Earth Stud		8.20	12.00	250 x 320 x 151	JBEP253215AP02
JBEP253215	6 x M32 with six cable glands for unarmored cable – diameter 10 to 25 mm		8.20	12.00	250 x 320 x 151	JBEP253215NP02

JBEP Series FRP Terminal Junction Boxes for Electrical/Power Applications

Increased Safety. Factory Drilled and Equipped

Maximum Capacity Per Terminal: 25/35 mm²

Zones 1 & 2 – 21 & 22
Gas (G) and Dust (D)



JBEP253215NP02

Ex eb IIC Factory Drilled JBEP Polyester Junction Boxes - Equipped with Screw Terminals, Earth Terminals and M8 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	Volume dm ³	Dimensions mm	Terminal Jumped Catalog Number
Configuration: TP + N (2PE + 2L1 + 2L2 + 2L3 + 2N + PE)						
JBEP253215	4 x M32 with earth continuity device 1 x M8 Earth Stud		8.20	12.00	250 x 320 x 150	JBEP253215AP03
JBEP253215	4 x M32 with four cable glands for unarmored cable – diameter 10 to 25 mm		8.20	12.00	250 x 320 x 150	JBEP253215NP03

Ex eb IIC Factory Drilled JBEP Polyester Junction Boxes - Equipped with Screw Terminals, Earth Terminals and M8 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	Volume dm ³	Dimensions mm	Terminal Jumped Catalog Number
Configuration: TP + N (2PE + 3L1 + 3L2 + 3L3 + 3N + 2PE)						
JBEP253215	6 x M32 with earth continuity device 1 x M8 Earth Stud		8.20	12.00	250 x 320 x 150	JBEP253215AP04
JBEP253215	6 x M40 with six cable glands for unarmored cable – diameter 24 to 34 mm		8.20	12.00	250 x 320 x 150	JBEP253215NP04

JBEP Series FRP Terminal Junction Boxes for Electrical/Power Applications

Increased Safety. Factory Drilled and Equipped

Maximum Capacity Per Terminal: 10 mm² to 50 mm²

Zones 1 & 2 – 21 & 22
Gas (G) and Dust (D)



JBEP503215AP24

Ex eb IIC Factory Drilled JBEP Polyester Junction Boxes - Equipped with Screw Terminals, Earth Terminals and M8 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	Volume dm ³	Dimensions mm	Terminal Jumped Catalog Number
Configuration: TP (1PE + 2L1 + 2L2 + 2L3 + 2PE)						
JBEP503215	4 x M40 with earth continuity device 1 x M8 Earth Stud		8.50	24.00	500 x 320 x 150	JBEP503215AP01
JBEP503215	4 x M40 with four cable glands for unarmored cable – diameter 24 to 34 mm		8.50	24.00	500 x 320 x 150	JBEP503215NP01

Ex eb IIC Factory Drilled JBEP Polyester Junction Boxes - Equipped with Screw Terminals, Earth Terminals and M8 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	Volume dm ³	Dimensions mm	Terminal Jumped Catalog Number
Configuration: TP (2PE + 3L1 + 3L2 + 3L3 + 2PE)						
JBEP503215	6 x M40 with earth continuity device 1 x M8 Earth Stud		8.50	24.00	500 x 320 x 150	JBEP503215AP02
JBEP503215	6 x M40 with six cable glands for unarmored cable – diameter 24 to 34 mm		8.50	24.00	500 x 320 x 150	JBEP503215NP02

Enclosures and Junction Boxes

INCREASED SAFETY EX E ZONE 1 RATED JUNCTION BOXES

JBEP Series FRP Terminal Junction Boxes for Electrical/Power Applications

Increased Safety. Factory Drilled and Equipped

Maximum Capacity Per Terminal: 10 mm² to 50 mm²

Zones 1 & 2 – 21 & 22
Gas (G) and Dust (D)



JBEP503215AP24

Ex eb IIC Factory Drilled JBEP Polyester Junction Boxes - Equipped with Screw Terminals, Earth Terminals and M8 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	Volume dm ³	Dimensions mm	Terminal Jumped Catalog Number
Configuration: TP + N (2PE + 2L1 + 2L2 + 2L3 + 2N + PE)						
JBEP503215	4 x M40 with earth continuity device 1 x M8 Earth Stud		8.50	24.00	500 x 320 x 150	JBEP503215AP03
JBEP503215	4 x M40 with four cable glands for unarmored cable – diameter 24 to 34 mm		8.50	24.00	500 x 320 x 150	JBEP503215NP03

Ex eb IIC Factory Drilled JBEP Polyester Junction Boxes - Equipped with Screw Terminals, Earth Terminals and M8 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	Volume dm ³	Dimensions mm	Terminal Jumped Catalog Number
Configuration: TP + N (2PE + 3L1 + 3L2 + 3L3 + 3N + 2PE)						
JBEP503215	6 x M40 with earth continuity device 1 x M8 Earth Stud		9.30	24.00	500 x 320 x 150	JBEP503215AP04
JBEP503223	6 x M50 with six cable glands for unarmored cable – diameter 28 to 42 mm		10.30	36.80	500 x 320 x 230	JBEP503223NP04

JBEP Series FRP Terminal Junction Boxes for Electrical/Power Applications

Increased Safety. Factory Drilled and Equipped

Maximum Capacity Per Terminal: 10 mm² to 70 mm²

Zones 1 & 2 – 21 & 22
Gas (G) and Dust (D)



JBEP503215AP24

Ex eb IIC Factory Drilled JBEP Polyester Junction Boxes - Equipped with Screw Terminals, Earth Terminals and M8 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	Volume dm³	Dimensions mm	Terminal Jumped Catalog Number
Configuration: TP (1PE + 2L1 + 2L2 + 2L3 + 2PE)						
JBEP503215	4 x M40 with earth continuity device 1 x M8 Earth Stud		9.30	24.00	500 x 320 x 150	JBEP503215AP21
JBEP503215	4 x M40 with four cable glands for unarmored cable – diameter 24 to 34 mm		9.30	24.00	500 x 320 x 150	JBEP503215NP21

Ex eb IIC Factory Drilled JBEP Polyester Junction Boxes - Equipped with Screw Terminals, Earth Terminals and M8 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	Volume dm³	Dimensions mm	Terminal Jumped Catalog Number
Configuration: TP (2PE + 3L1 + 3L2 + 3L3 + 2PE)						
JBEP503215	6 x M40 with earth continuity device 1 x M8 Earth Stud		9.30	24.00	500 x 320 x 150	JBEP503215AP22
JBEP503215	6 x M40 with six cable glands for unarmored cable – diameter 24 to 34 mm		9.30	24.00	500 x 320 x 150	JBEP503215NP22

JBEP Series FRP Terminal Junction Boxes for Electrical/Power Applications

Increased Safety. Factory Drilled and Equipped

Maximum Capacity Per Terminal: 10 mm² to 70 mm²

Zones 1 & 2 – 21 & 22
Gas (G) and Dust (D)



JBEP503215AP24

Ex eb IIC Factory Drilled JBEP Polyester Junction Boxes - Equipped with Screw Terminals, Earth Terminals and M8 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	Volume dm ³	Dimensions mm	Terminal Jumped Catalog Number
Configuration: TP + N (2PE + 2L1 + 2L2 + 2L3 + 2N + PE)						
JBEP503215	4 x M40 with earth continuity device 1 x M8 Earth Stud		9.30	24.00	500 x 320 x 150	JBEP503215AP23
JBEP503215	4 x M40 with four cable glands for unarmored cable – diameter 24 to 34 mm		9.30	24.00	500 x 320 x 150	JBEP503215NP23

Ex eb IIC Factory Drilled JBEP Polyester Junction Boxes - Equipped with Screw Terminals, Earth Terminals and M8 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	Volume dm ³	Dimensions mm	Terminal Jumped Catalog Number
Configuration: TP + N (2PE + 3L1 + 3L2 + 3L3 + 3N + 2PE)						
JBEP503215	6 x M40 with earth continuity device 1 x M8 Earth Stud		9.30	24.00	500 x 320 x 150	JBEP503215AP24
JBEP503223	6 x M50 with six cable glands for unarmored cable – diameter 28 to 42 mm		10.30	36.80	500 x 320 x 230	JBEP503223NP24

JBEP Series FRP Terminal Junction Boxes for Electrical/Power Applications

Increased Safety. Factory Drilled and Equipped

Maximum Capacity Per Terminal: 120 mm²

Zones 1 & 2 – 21 & 22
Gas (G) and Dust (D)

Ex eb IIC Factory Drilled JBEP Polyester Junction Boxes - Equipped with Screw Terminals, Earth Bar and M10 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	Volume dm ³	Dimensions mm	Terminal Jumped Catalog Number
L1 L2 L3 PE Earth Copper Bar PE						
Configuration: TP (2L1 + 2L2 + 2L3 + 1PE)						
JBEP753223	4 x M50 with earth continuity device 1 x M10 Earth Stud		10.80	55.20	750 x 320 x 230	JBEP753223AP01
JBEP753215	4 x M50 with four cable glands for unarmored cable – diameter 28 to 42 mm		9.75	36.00	750 x 320 x 150	JBEP753215NP01
L1 L2 L3 PE Earth Copper Bar PE						
Configuration: TP (3L1 + 3L2 + 3L3 + 1PE)						
JBEP753223	6 x M50 with earth continuity device 1 x M10 Earth Stud		10.80	55.20	750 x 320 x 230	JBEP753223AP02
JBEP753223	6 x M50 with six cable glands for unarmored cable – diameter 28 to 42 mm		10.80	55.20	750 x 320 x 230	JBEP753223NP02
L1 L2 L3 N PE Earth Copper Bar PE						
Configuration: TP + N (2L1 + 2L2 + 2L3 + 2N + 1PE)						
JBEP753223	4 x M50 with earth continuity device 1 x M10 Earth Stud		10.80	55.20	750 x 320 x 230	JBEP753223AP03
JBEP753215	4 x M50 with four cable glands for unarmored cable – diameter 28 to 42 mm		9.75	36.00	750 x 320 x 150	JBEP753215NP03

JBEP Series FRP Terminal Junction Boxes for Electrical/Power Applications

Increased Safety. Factory Drilled and Equipped

Maximum Capacity Per Terminal: 240 mm²

Zones 1 & 2 – 21 & 22
Gas (G) and Dust (D)



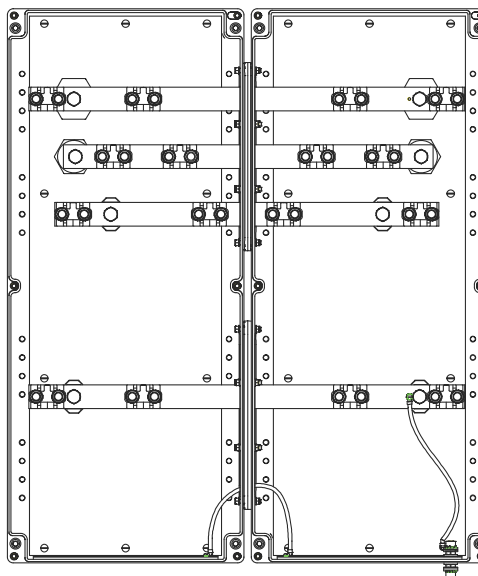
JBEP753223AP72

Ex eb IIC Factory Drilled JBEP Polyester Junction Boxes - Equipped with Clamping Terminals and M10 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	Volume dm ³	Dimensions mm	Standard Bus Bar Catalog Number
Configuration: (L1 + L2 + L3 + PE All Copper Bars)						
2 x JBEP753223	3 x M50 with earth continuity device, 3 Clamping terminals per bar 1 x M10 Earth Stud		40.50	114.13	750 x 650 x 230	JBEP753223AP61
2 x JBEP753223	4 x M50 with earth continuity device, 4 Clamping terminals per bar 1 x M10 Earth Stud		40.50	114.13	750 x 650 x 230	JBEP753223AP62
2 x JBEP753223	3 x M63 with earth continuity device, 3 Clamping terminals per bar 1 x M10 Earth Stud		40.50	114.13	750 x 650 x 230	JBEP753223AP71
2 x JBEP753223	4 x M63 with earth continuity device, 4 Clamping terminals per bar 1 x M10 Earth Stud		40.50	114.13	750 x 650 x 230	JBEP753223AP72

Example of Two JBEP753223 Enclosures Coupled



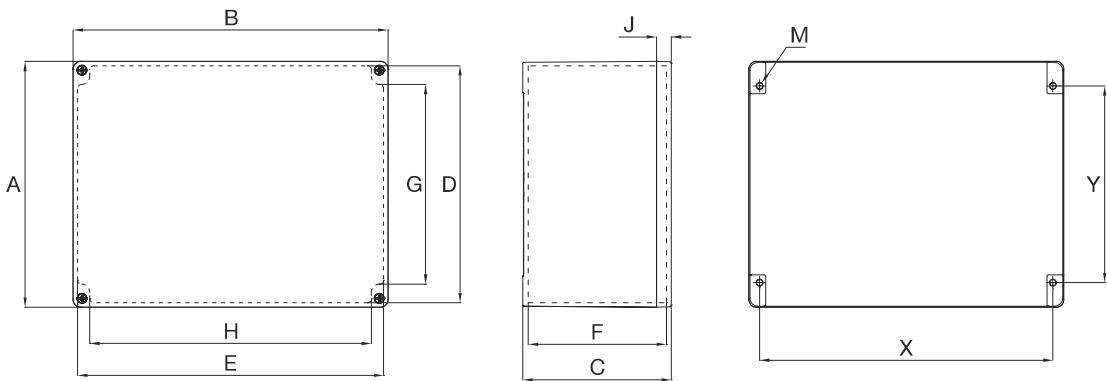
JBEP Series Fiberglass Reinforced Polyester Terminal Junction Boxes for Electrical and Power Applications

Increased Safety. Factory Drilled and Equipped

Enclosures and Junction Boxes

INCREASED SAFETY EX E ZONE 1 RATED JUNCTION BOXES

Dimensions in Millimeters ①



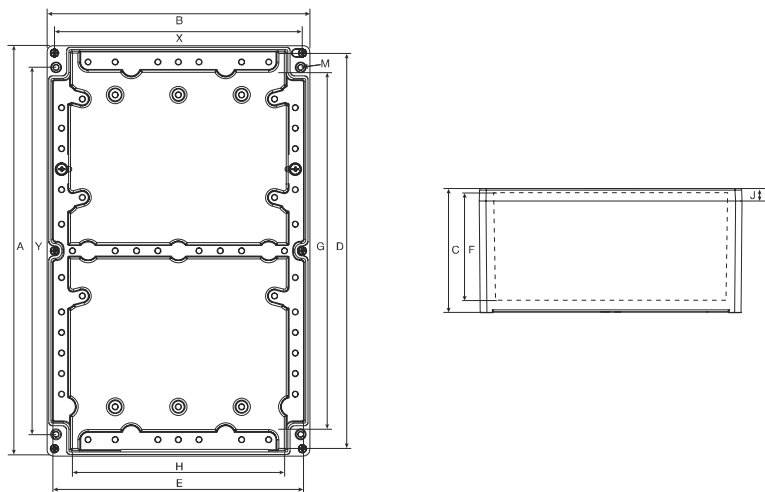
Enclosure Catalog Number	External Dimension			Internal Dimensions					Cover J	Body Thickness	Wall Fixing		
	A	B	C	D	E	F	G	H			X	Y	M ②
JBEP0808060	85	85	61	76.7	76.7	47	41	51	15	3.5	69	49	M4
JBEP1212090	120	120	91	109.5	109.5	75	63	85	40	4.5	103	83	M5
JBEP121209S0	120	120	91	108.6	108.6	75	63	85	15	4.5	103	83	M5
JBEP1717090	170	170	91	158.5	158.5	72	112.5	137	15	4.5	153	131	M5
JBEP2021100	200	215	95	185.8	200.8	76	116	159	20	6.1	189	146	M6
JBEP2021150	200	215	145	185.8	200.8	122.5	114.8	159	20	6.1	189	146	M6
JBEP2532150	250	320	150	241	311	133.5	171	267	15	4.5	200	298	M6
JBEP3225150	320	250	150	311	241	133.5	267	171	15	4.5	298	200	M6
JBEP3250150	320	500	150	311	491	133.5	267	421	15	4.5	298	447	M6
JBEP3250230	320	500	230	311	491	213.5	267	421	15	4.5	298	447	M6
JBEP3275150	320	750	150	311	741	133.5	267	671	15	4.5	298	698	M6
JBEP3275230	320	750	230	311	741	213.5	267	671	15	4.5	298	698	M6

① Wall fixing screw diameter 5 mm. Wall fixing screw hole 6 mm.
 ② Screw to be used for mounting box.

JBEP Series Fiberglass Reinforced Polyester Terminal Junction Boxes for Electrical and Power Applications

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Dimensions in Millimeters 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
JBEP5032150	500	320	150	491	311	133.5	421	267	15	4.5	447	298	M6
JBEP5032230	500	320	230	491	311	213.5	421	267	15	4.5	447	298	M6
JBEP7532150	750	320	150	741	311	133.5	671	267	15	4.5	298	698	M6
JBEP7532230	750	320	230	741	311	213.5	671	267	15	4.5	698	298	M6

① Wall fixing screw diameter 5 mm. Wall fixing screw hole 6 mm.
 ② Screw to be used for mounting box.

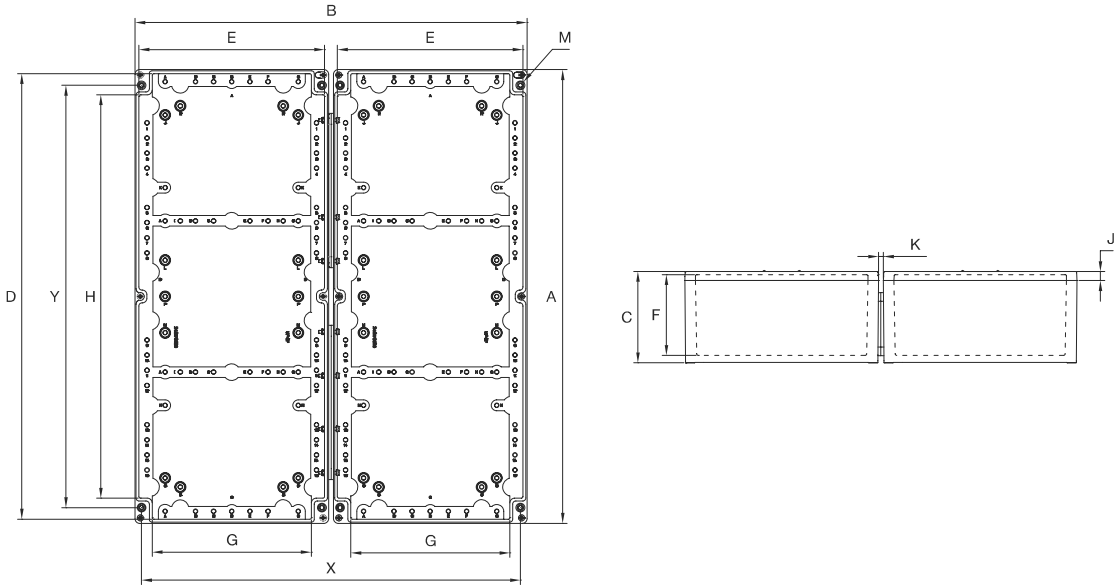
JBEP Series Fiberglass Reinforced Polyester Terminal Junction Boxes for Electrical and Power Applications

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INCREASED SAFETY EX E ZONE 1 RATED JUNCTION BOXES

Enclosures and Junction Boxes

Dimensions in Millimeters ①



Enclosure Catalog Number	External Dimension			Internal Dimensions						Cover	Body	Wall Fixing		
	A	B	C	D	E (x2)	F	G (x2)	H	K	J	Thickness	X	Y	M ②
2 X JBEP7532150	750	648	150	741	311	133.5	267	671	8	15	5	626	698	M6

① Wall fixing screw diameter 5 mm. Wall fixing screw hole 6 mm.
 ② Screw to be used for mounting box.