

BJEP004NE

Polyester connection box for use in hazardous area



Polyester Junction Boxes to connect self-limiting-, single core- as well as mineral insulated heating-cables.

These enclosures are available in several versions and useful for almost all kind of trace heating application.

This box can be used in extremely environmental conditions and resists exposure to mechanical stress.

- | | |
|----------------------------|--------------------------|
| - Temperature resistant | resistant |
| - Antistatic | - Protection class: IP65 |
| - Corrosion resistant/ UV- | |

- The junction box is supplied with
- 1 gland for supply cable
- 2 caps M25 for optional inlets or for earth crossing
- 1 inlet for gland with suitable washer for section of heating cable
- 1 terminal set (6 mm²)
- 1 earth crossing
- Dimensions : 120x120x90 mm
- Protection class : IP65

MARKING

Ex II 2 G+D - Ex e II T6 (T=55°C for dusts)

JBP...Ex

Glass fiber reinforced polyester enclosure for use in hazardous area.



Ex-Junction Boxes made of glass fiber reinforced polyester to connect self-limiting-, serial resistance- as well as mineral insulated heating-cables.

This enclosure series is available in different versions and can be used for almost all trace heating application.

This box can be used in extremely environmental conditions, chemically aggressive environments and it resists exposure to mechanical stress.

Customized versions available upon request.

- Dimensions (LxWxH in mm) :
- JBP101...Ex 110 x 75 x 55
- JPB103...Ex 122 x 120 x 90
- JPB104...Ex 160 x 160 x 90
- JBP106...Ex 260 x 160 x 90
- Protection class : IP65
- Min. ambient temperature : -55°C (-60°C upon request)
- Temperature class :
- T6 at +50°C
- T5 at +55°C
- T4 at +60°C



MARKING

Ex I 2G Ex e IIC T6
Ex II 2D Ex tD A21 IP65 T80°C

REFERENCE	DIMENSIONS [mm]	CROSS-SECTION	CABLE GLANDS	DESCRIPTION
JBP102 PT100 Ex	110x75x55	2.5mm ²	1 x M20 2 x M12	Junction box for up to 2 sensors
JBP101 Ex	110x75x55	2.5mm ²	2 x M20	Junction box 1 phase / 1 heating circuit
JBP103 Ex	122x120x90	6mm ²	1 x M25 3 x M20	Junction box 1 phase / 3 heating circuits
JBP103 3P Ex	122x120x90	6mm ²	1 x M25 3 x M20	Junction box 3 phase / 3 heating circuits
JBP103 S Ex	122x120x90	6mm ²	1 x M20 3 x M20	Junction box 3 phase / star connection
JBP104 Ex	160x160x90	6mm ²	1 x M32 4 x M20	Junction box 1 phase / 4 heating circuits
JBP104 3P Ex	160x160x90	6mm ²	1 x M32 4 x M20	Junction box 3 phase / 4 heating circuits
JBP106 Ex	260x160x90	6mm ²	1 x M32 6 x M20	Junction box 1 phase / 6 heating circuits
JBP106 D Ex	260x160x90	6mm ²	1 x M32 6 x M20	Junction box 3 phase / delta connection

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