

Junction Boxes for Self-Regulating Heating Cables

Designed for connecting self-regulating electric heating cables to the power network and for branching of self-regulating heating cables*.

For installation onto a wall, onto a nearby metal structure or using a bracket directly onto the pipe-line (brackets supplied separately).

The enclosure design ensures moisture and dust ingress protection IP66 and high corrosion stability.

Features

- Efficient solution for power supply and input of self-regulating heating cables connection through thermal insulation in electric heating cable systems
- Compatible with all types of self-regulating electric heating cables
- Excludes the risk of damage to heating cables at connection points
- Approved for installation in explosion hazard areas

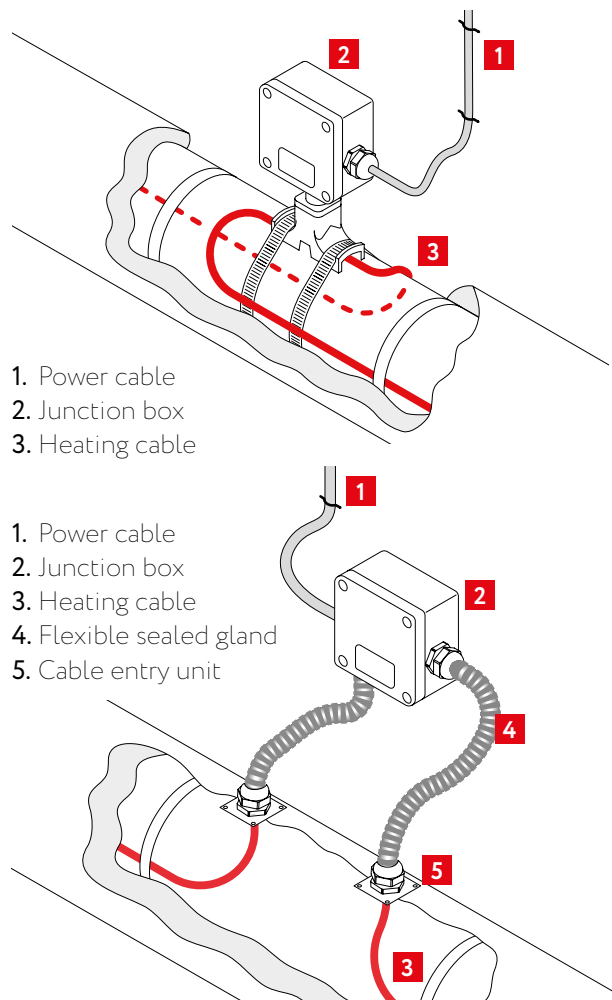
Cable gland of the box is intended for connecting unarmoured power cables with a diameter of 7 to 18 mm or armored power cables with a diameter of 12 to 20 mm.

The installed terminal blocks allow the connection of multi-core or single-core wires with a cross-section of 1.5 to 10 mm². Design options with screw or push-in terminals are available to order..

- Critical components are included in the scope of supply. Metal pipe strap PFS/3, cable entry unit and flexible sealed gland FSG to be ordered separately
- Wide application range
- Quick and easy installation
- High thermal stability
- Non-corrosive

Application Areas

The box allows connection of up to three self-regulating electric heating cables to the power cable and connection of up to three cables for branching.



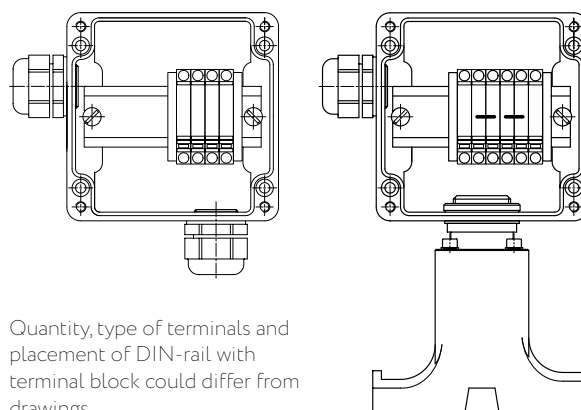
* This junction box is compatible with self-regulating heating cables

Power Supply of Self-Regulating Heating Cables

Technical Data

Dust and moisture protection rating	IP66
Explosion protection marking	Ex eb IIC T6...T3 Gb Ex tb IIIC T85°C... T165°C Db
Temperature group of the explosion hazard area	T6
Operating ambient temperature range	-60...+55 °C
Operating voltage	max 550 V
Operating current	max 50 A
Enclosure dimensions JB 2221-223	122×120×91.5 mm
Total weight (maximum)	1.55 kg
Material Box / Color	Glass fiber reinforced polyester / Black
Material Pipe installation support / Color	

Construction



Quantity, type of terminals and placement of DIN-rail with terminal block could differ from drawings.

Delivery Set

Model	Cable glands and plugs (P=plastic; B=brass)								Earthing tag	Terminated earthing wire	Pipe instal- lation support	Terminal block	Type of terminals	Order code
	C A B D													
	Side A		Side B		Side C		Side D							
	Cable gland	Screw plug	Cable gland	Screw plug	Cable gland	Screw plug	Cable gland	Screw plug						
JB2221-223-2X340°			1xM25 P		1xM25 P							1L, 1N, 2PE	screw/ spring	3210101601
JB2221-223-2X350				1xM25 P	1xM25 P									3210101603
JB2221-223-2X360			3xM25 P		1xM25 P									3210101605
JB2221-223-2X370				3xM25 P	1xM25 P							3L, 3N, 3PE		3210101607
JB2221-223-1X300					1xM25 P						V	2L, 2N, 2PE		3210101609
JB2221-223-1X310						1xM25 P					V			3210101611
JB2221-223-1X11						1xM25 P			V	V	V			2L, 1N, 2PE/ 3L, 2N, 2PE
JB2221-223-1X12					1xM25 B				V	V	V	3210102007		
JB2221-223-1X13					1xM25 P				V	V	V	3210102008		
JB2221-223-2X11			1xM25 P		1xM25 B			1xM25 P	V	V		3210102009		
JB2221-223-2X12			1xM25 P		1xM25 B		1xM25 P		V	V		3210102010		
JB2221-223-2X13			1xM25 P		1xM25 P			1xM25 P	V	V		3210102011		
JB2221-223-2X14			1xM25 P		1xM25 P		1xM25 P		V	V		3210102013		
JB2221-223-2X15			1xM25 P		1xM25 B		1xM25 B		V	V		3210102015		

° X = 1 for screw type terminal block; X=2 for push-in type terminal block

Order codes are valid for junction boxes with push-in terminal block.
Additional configurations are available upon request.

Approval



CETS 23 ATEX 029X
II 2G Ex eb IIC T6...T3 Gb
II 2D Ex tb IIIC T85°C...T165°C Db

PREMIUM