

# Polymer Junction Box For MI Cables



nVent RAYCHEM JB-EX-xx-EP are a range of polymer junction boxes with an integrated earth plate for use in hazardous areas with mineral insulated (MI) heating cables. They are designed considering space constraints to allow easy connections of MI heating units equipped with M25 glands to a power supply or other configurations such as tees or splices. Earthing is realized through the earth plate. Available in different sizes and amounts of entries to accommodate various configurations and electrical loads.

## FEATURES

Simple and fast to install, easy to maintain

Hazardous area approved

Advanced design ensures that various configurations with MI heating units are possible

Reliable during long life: 10 year product warranty available, maintenance free

## SPECIFICATIONS

<b>Area Classification:</b>	Non-Hazardous; Hazardous
<b>IP Rating:</b>	IP66
<b>Mounting:</b>	Wall/Support Bracket Mounted
<b>Ambient Temperature:</b>	-55 to 55 °C

Table 1/2

Catalog Number	Item Name	Max Voltage	Cable Entry	Max Conductor Cross Section	Height	Width
1244-020505	JB-EX-40-EP	550 V	1xM25 3xM25	10 mm <sup>2</sup>	160 mm	160 mm
1244-020506	JB-EX-41-EP	550 V	1xM25 6xM25	10 mm <sup>2</sup>	160 mm	160 mm
1244-006654	JB-EX-25/35MM2	690 V	1xM40 6xM25	35 mm <sup>2</sup>	160 mm	260 mm
1244-006655	JB-EX-32/35MM2	690 V	1xM40 3xM32	35 mm <sup>2</sup>	160 mm	260 mm

CatalogNumber	Item Name	Max Voltage	Cable Entry	Max Conductor Cross Section	Height	Width
1244-020507	JB-EX-42-EP	690 V	1xM40 6xM25	35 mm <sup>2</sup>	160 mm	260 mm

Table 2/2

Catalog Number	Item Name	Depth	Light Indication Included	Earth Plate Included
1244-020505	JB-EX-40-EP	90 mm	No	Yes
1244-020506	JB-EX-41-EP	90 mm	No	Yes
1244-006654	JB-EX-25/35MM2	90 mm	No	No
1244-006655	JB-EX-32/35MM2	90 mm	No	No
1244-020507	JB-EX-42-EP	90 mm	No	Yes

## WARNING

nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at [www.nvent.com](http://www.nvent.com) and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.

### North America

Tel +1.800.545.6258  
Fax +1.800.527.5703  
[thermal.info@nvent.com](mailto:thermal.info@nvent.com)

### Europe, Middle East, Africa

Tel +32.16.213.511  
Fax +32.16.213.604  
[thermal.info@nvent.com](mailto:thermal.info@nvent.com)

### Asia Pacific

Tel +86.21.2412.1688  
Fax +86.21.5426.3167  
[cn.thermal.info@nvent.com](mailto:cn.thermal.info@nvent.com)

### Latin America

Tel +1.713.868.4800  
Fax +1.713.868.2333  
[thermal.info@nvent.com](mailto:thermal.info@nvent.com)

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