

# 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 |
| 1244-020507    | 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                  |
| 1244-020507    | 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.

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