

# Polymer Junction Box For PI Cables



nVent RAYCHEM JB-EX-XX are junction boxes with or without earth plate and external earth stud. Depending on the type, they are equipped with 10 mm<sup>2</sup> or 35 mm<sup>2</sup> terminals to allow loads up to 100 A to a power supply or other configurations such as Tees or Splices. Available in different sizes with a various number of M20 entries to accommodate multiple configurations and electrical loads.

## FEATURES

Simple and fast to install, easy to maintain

Hazardous areas approved

Available in different models and sizes for multiple configurations

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  |
|----------------|----------------|-------------|-------------|-----------------------------|--------|--------|
| 1244-006384    | JB-EX-20-EP    | 590 V       | 1xM25 3xM20 | 10 mm <sup>2</sup>          | 120 mm | 122 mm |
| 1244-000579    | JB-EX-21       | 550 V       | 1xM32 6xM20 | 10 mm <sup>2</sup>          | 160 mm | 160 mm |
| 1244-000590    | JB-EX-20       | 590 V       | 1xM25 3xM20 | 10 mm <sup>2</sup>          | 120 mm | 122 mm |
| 1244-006653    | JB-EX-21/35MM2 | 690 V       | 1xM40 6xM20 | 35 mm <sup>2</sup>          | 160 mm | 260 mm |

Table 2/2

| Catalog Number | Item Name      | Depth | Light Indication Included | Earth Plate Included |
|----------------|----------------|-------|---------------------------|----------------------|
| 1244-006384    | JB-EX-20-EP    | 90 mm | No                        | Yes                  |
| 1244-000579    | JB-EX-21       | 90 mm | No                        | No                   |
| 1244-000590    | JB-EX-20       | 90 mm | No                        | No                   |
| 1244-006653    | JB-EX-21/35MM2 | 90 mm | No                        | No                   |

## 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)

Our powerful portfolio of brands:

**RAYCHEM PYROTENAX TRACER NUHEAT**