

Integrated Junction Box for Direct Connection of PI cables



nVent RAYCHEM JBx-PI-E(P) junction boxes are used for direct connection of XPI(-S) heating cables to a power supply, without the need of a cold lead, or for splicing. They come with an integrated pipe stand, an earth plate and external earth stud. There are 3 variations: two (2) are used for power connection (JBS-PI-EP, JBM-PI-EP); one (1) is used for splicing (JB-SPLICE-PI-E). They support monophase and triphase configurations, up to 45A operational current (depending on heating cable and temperature), and the design is integrated in TraceCalc Pro. Suitable for use in hazardous area.

FEATURES

Simplified BOM (no cold lead, no support bracket, no insulation entry kit)

Simplified & faster installation (no hot-cold connections / no special tools / connection with cage clamp terminals)

Hazardous area approved

Different versions (supporting multiple configurations)

Design validated through nVent design software TraceCalc Pro

SPECIFICATIONS

For Ex-Zone Gas: 1, 2

Max Conductor Cross Section: 16 mm²
For Ex-Zone Dust: 21, 22

Connection Type: Cold Applied

Material: Glass Fiber Reinforced Polymer

Area Classification: Non-Hazardous; Hazardous

IP Rating: IP66

Knockouts Included: No **Below Insulation:** No

Mounting: On Pipe
Cover Attachment: Screwed
Halogen Free: Yes

Ambient Temperature: -55 to 56 °C

Table 1/2							
Catalog Number	Item Name	Inlet Quantity	Cable Entry	Connection Clamp Quantity	Height	Width	
P000004430	JB-SPLICE-PI-E	0	N.A.	5	160 mm	260 mm	
P000004429	JBM-PI-EP	1	M32	5	120 mm	220 mm	
P000004428	JBS-PI-EP	1	M25	3	120 mm	122 mm	

Table 2/2							
Catalog Number	Item Name	Depth	Earth Plate Included				
P000004430	JB-SPLICE-PI-E	90 mm	No				
P000004429	JBM-PI-EP	90 mm	Yes				
P000004428	JBS-PI-EP	90 mm	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 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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