

Multiple-Entry Power/Tee Connection with Polymer Junction Box



nVent RAYCHEM JBM-100 is a modular junction box used to connect power to up to three nVent RAYCHEM BTV, QTVR, XTVR, HTV or VPL industrial parallel heating cables and integrates the functions of both connection kits and insulation entries. Offered in three versions, customized for local installation practices, each are also available with a power indicator. JBM-100-E, JBM-100-L-E; JBM-100-EP, JBM-100-L-EP; JBM-100-A, JBM-100-L-A.

FEATURES

Simple and fast to install, spacious boxes with front access, captive lid screws and robust spring type terminals for secure fixing

Part of a modular component system, providing maximum flexibility

One range for all nVent RAYCHEM industrial parallel heating cables

Simplified design in hazardous area, integral part of system approval

Cold-applied: core sealing boot with non-curing sealant; no heat gun, no hot work permit needed

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

SPECIFICATIONS

For Ex-Zone Gas:	1, 2
Inlet Quantity:	2
Connection Clamp Quantity:	6
Max Conductor Cross Section:	10 mm ²
For Ex-Zone Dust:	21, 22
Connection Type:	Cold Applied
Material:	Glass Fiber Reinforced Polymer
Area Classification:	Non-Hazardous; Hazardous
IP Rating:	IP66
Cable Entry:	M25
Knockouts Included:	No
Mounting:	On Pipe
Cover Attachment:	Screwed

Halogen Free:

Yes

Table 1/2

Catalog Number	Item Name	E-Number	Ambient Temperature	Height	Width	Depth
300273-000	JBM-100-L-EP	0431167	-40 to 40 °C	240 mm	220 mm	90 mm
395855-000	JBM-100-L-E	0431168	-40 to 40 °C	240 mm	220 mm	90 mm
831519-000	JBM-100-E	0431196	-55 to 56 °C	240 mm	220 mm	90 mm
986415-000	JBM-100-EP		-55 to 56 °C	240 mm	220 mm	90 mm

Table 2/2

Catalog Number	Item Name	E-Number	Light Indication Included	Earth Plate Included	Modular	Below Insulation
300273-000	JBM-100-L-EP	0431167	Yes	Yes	No	No
395855-000	JBM-100-L-E	0431168	Yes	No	No	No
831519-000	JBM-100-E	0431196	No	No	No	No
986415-000	JBM-100-EP		No	Yes	No	No

ADDITIONAL PRODUCT DETAILS

Localized versions may exist with limited approvals and different part numbers. Contact your local sales representative.

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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