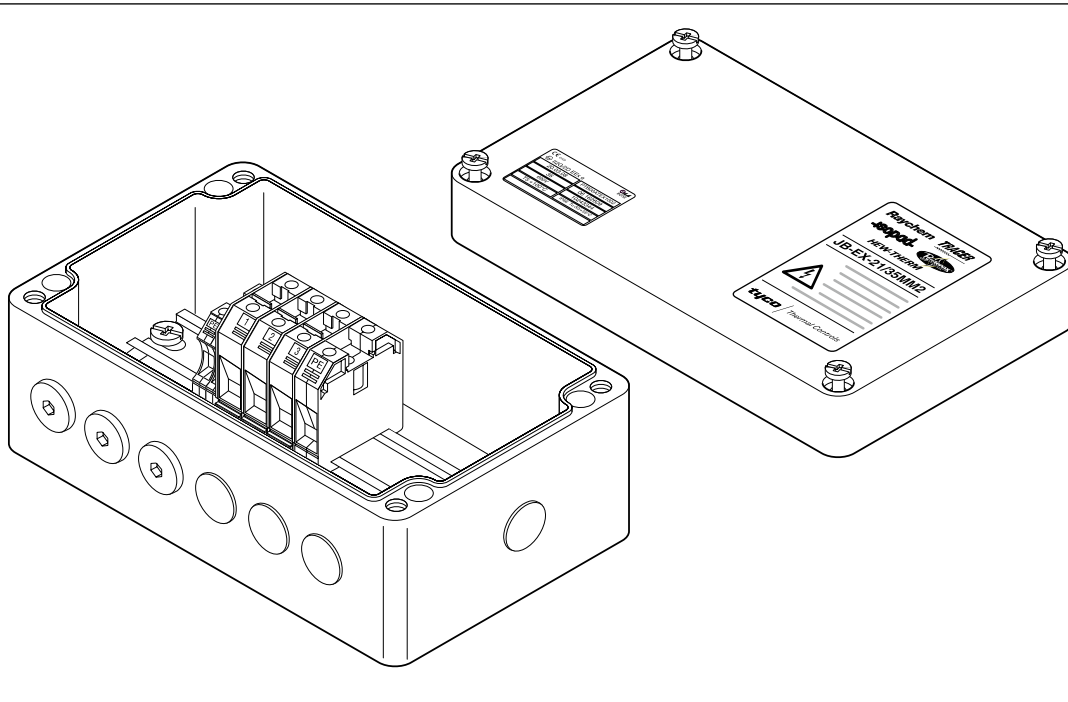


Ex Multi purpose junction box

ATEX approved junction box for use in hazardous areas with PI and MI heating cables when large terminal sizes are required. This box can be used to make connections between power cables, heating cables and cold lead cables. Depending on the configuration of the

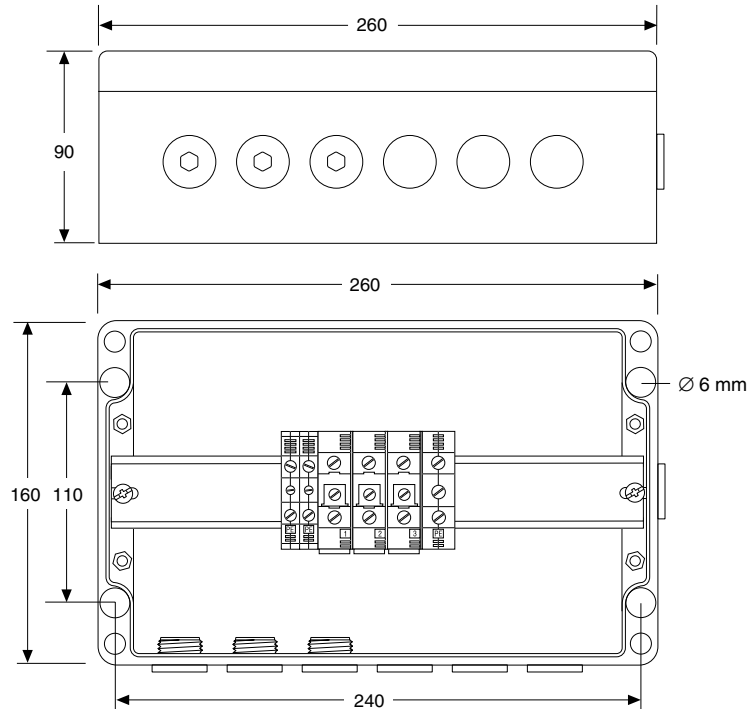
system, the box can accommodate multiple heating cables / cold leads and a power cable. The M20 connection kits have to be ordered separately depending on the type of heating cable being used.

Cable connection is accomplished via DIN rail mounted screw terminals from Weidmuller to provide safe, reliable and maintenance-free operation. The box can be wall mounted via the four holes molded in the base of the box.



Typical use	Power supply box, end-box, splice box for series heating cables (PI & MI), when using M20 connection kits. Marshalling box for power cables.
Entries	6 x M20 1 x M40
Kit contents	1 x Junction box with screw terminals on DIN rail 3 x M20 stopping plugs 3 x M20 rain plugs (temporary) 1 x M40 stopping plug
Approvals	PTB 00 ATEX 1002 Ex II 2G/D EEx e II T6 IP66
Materials of construction	
Box & lid	Glass filled polyester
Sealing gasket	Silicone rubber
Lid fixing screws	Stainless steel (captive)
Ingress protection	IP66
Ambient temperature range	-50°C to +55°C

Dimensions (in mm)



Terminals

Quantity & type	3 pcs WDU35 screw terminals 2 pcs WPE10 earth terminals for heating cable earth leads 1 pc WPE35 earth terminal for power cable Junction box can accommodate up to 6 fully loaded phase/neutral terminals (maximum 10 terminals in total)
Labelling	1, 2, 3 + 3 x PE
Minimum conductor size	2.5 mm ² stranded & solid
Maximum conductor size	35 mm ² stranded & 16 mm ² solid
Maximum operating voltage	690 Vac
Maximum operating current	100 A

Accessories (to be ordered separately)

Glands for power cables	GL-51-M40 hazardous area approved gland for cables Ø 17-28 mm, GL-45-M32 hazardous area approved gland for cables Ø 12-21 mm, GL-50-M20 hazardous area approved gland for cables Ø 5.5-13 mm
Reducer	REDUCER-M40/32-EEXE hazardous area M40 male to M32 female reducer
Loose terminals	35mm ² phase/neutral terminal HWA-WDM-PHASE-35 10mm ² earth terminal HWA-WDM-EARTH-10 35mm ² earth terminal HWA-WDM-EARTH-35 Endplate HWA-WDM-PLATE Terminal jumper (2) HWA-WDM-JUMPER-35-2 Terminal jumper (3) HWA-WDM-JUMPER-35-3
Gland for PI cold leads	GL-44-M20-KIT hazardous area approved gland for cables Ø 5-13 mm
Insulation entry kit for PI cold leads	IEK-20-PI
Gland for MI cold leads	In case of factory terminated units, already present. For on-site assemblies, contact Tyco Thermal Controls or refer to DOC-606

Ordering details

Order reference	JB-EX-21/35MM2
Part number (Weight)	1244-006653 (1.9 kg)

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