

Junction box

Abox-i m 025 AB-2,5²

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Abox-i m 025 AB-2,5²

Junction box

CUSTOMIZABLE

Productnumber: 49940201

Dimensions: 82 x 82 x 52 mm

Junction box, protection class IP66, nominal cross-section 2.5 mm², U_i=690 V AC, certified by VDE (DIN EN 60670-1/-22 (VDE 0606-1/-22)), DLG (Ammonia resistance), DNV (Class: Ships and Offshore Installations), knockouts, M20, (1 rear, 7 side), external fixing lugs, for installations in industrial environments and protected outdoor areas

grey, I_n=24 A, with screw terminal, 5-pole - 2.5 mm² (4 x 1.5² / 4 x 2.5²)

Accessories supplied:

4 Double-membrane seal IP66 M20 sealing range 7 - 12 mm



Technical Data

electrical characteristics

Rated insulation voltage AC:	690 V
Max. conductor cross section:	2,5 mm ²
Protection class:	II
Type of protection:	IP66
UL Type Rating:	not specified

Colours

Base unit colour:	grey
Cover colour:	grey

Dimensions

Width:	82 mm
Length:	82 mm
Height:	52 mm

Material characteristics

UV-resistant:	yes
Halogen free:	yes
Flammability class according with UL94:	V2
Glow-wire flammability according to EN 60695-2-11:	960 °C
Industry quality:	yes

mechanical properties

Type of fastening:	Wall/ceiling mounting
Impact strength:	IK08
Sealable:	yes
Cover screw torque:	1.7 Nm
Fastening:	external fixing lugs

Ambient conditions

max. relative humidity 25°C:	95 %
max. relative humidity 40°C:	50 %
Min. ambient temperature:	-35 °C
Max. ambient temperature:	80 °C
24h ambient temperature:	60 °C
Installation location:	protected outdoor areas

Material

Base unit material:	Polycarbonate
Cover material:	Polycarbonate, glass-fibre reinforced
Sealing material:	Thermoplastic elastomer
Cover screw material:	Stainless steel V2A

Certificates

Test mark:	VDE (DIN EN 60670-1/-22 (VDE 0606-1/-22))
Test mark:	DLG (Ammonia resistance)
Test mark:	DNV (Class: Ships and Offshore Installations)

Accessories

[20842001 - GMU PA M20 - Lock nut](#)

[22742001 - KVR M20-MGM - Cable gland](#)

[22742101 - KVR M20-GDB/MGM - Cable gland](#)

[24742001 - KVR M20 - Cable gland](#)

[24742101 - KVR M20-GDB - Cable gland](#)

[26012001 - DMS M20/w - Double-membrane seals](#)

[26042001 - DMS M20 - Double-membrane seals](#)

[84000401 - Abox 025/040 KLS-2,5²/4² - Terminal block](#)

[84000201 - Abox 025/040 KLH-SL 0,2/4² - Terminal holder](#)

Cable gland

