

Junction box

Abox-i 100-L

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Abox-i 100-L

Junction box

CUSTOMIZABLE

Productnumber: 49091001

Dimensions: 140 x 140 x 79 mm

Junction box, protection class IP65, nominal cross-section 10 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/M25/M32, (2 rear, 10 side), internal fixing points, for installations in industrial environments and protected outdoor areas

grey, without terminals

Accessories supplied:
4 Double-membrane seal IP66 M32 sealing range 14 - 21 mm



Technical Data

electrical characteristics

Rated insulation voltage AC:	690 V
Max. conductor cross section:	10 mm ²
Protection class:	II
Type of protection:	IP65
UL Type Rating:	not specified

Colours

Base unit colour:	grey
Cover colour:	grey

Dimensions

Width:	140 mm
Length:	140 mm
Height:	79 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:	internal fixing points

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:	Polyurethane
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

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

[22742501 - KVR M25-MGM - Cable gland](#)

[22743201 - KVR M32-MGM - Cable gland](#)

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

[26012501 - DMS M25/w - Double-membrane seals](#)

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

[26042501 - DMS M25 - Double-membrane seals](#)

[26043201 - DMS M32 - Double-membrane seals](#)

[26044001 - DMS M40 - Double-membrane seals](#)

[19203201 - KS M32 - Combi set](#)

[19302501 - KST M25-17 - Combi connector](#)

[19302601 - KST M25-33 - Combi connector](#)

[19303201 - KST M32 - Combi connector](#)

[19810601 - NS 35-106 - Standard rail](#)

[26202001 - BST M20/sw - Ventilation seal](#)

[26242001 - BST M20 - Ventilation seal](#)

[84001001 - Abox 100 KLS-10² - Terminal block](#)

Cable gland

