

Junction box

Abox Pro 100 AB-10²

Abox Pro 100 AB-10²

Junction box

Productnumber: 41042101

Dimensions: 152 x 152 x 85 mm

Junction box, protection class IP66/IP67/IP69, nominal cross-section 10 mm², 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), external fixing lugs, for installation in industrial environments and unprotected outdoor areas

grey, U_i=690 V AC, I_n=57 A, with raised screw terminal block, 5-pole- 10 mm², clampable cross-sections per pole: 4 x 2.5 mm², 4 x 4 mm², 4 x 6 mm², 4 x 10 mm² rigid Cu/flexible with wire-end ferrule

Accessories supplied:

4 double membrane seals IP66 M32 sealing range 13 - 21 mm, cover retainer



Technical Data

electrical characteristics

Rated insulation voltage AC:	690 V
Rated insulation voltage DC:	690 V
Min. conductor cross section:	4 mm ²
Max. conductor cross section:	10 mm ²
Protection class:	II
Type of protection:	IP66/IP67/IP69
Rated current:	57 A
Terminal type:	Screw terminal
Number of poles:	5

Colours

Base unit colour:	grey
Cover colour:	grey

Dimensions

Width:	152 mm
Length:	152 mm
Height:	85 mm
Inner length:	137 mm
Inner width:	137 mm
Inner height:	65 mm
Weight:	0.6531 kg

Material characteristics

UV-resistant:	yes
Halogen free:	yes
Flammability class according with UL94:	V0
Glow-wire flammability according to EN 60695-2-11:	960 °C

mechanical properties

Impact strength:	IK09
Sealable:	yes
Cover screw torque:	1.5 Nm
Type of fastening:	Wall/ceiling mounting
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:	unprotected outdoor areas

Sales Information

EAN:	4013902663606
Packing Unit Code:	C62
ETIM Class:	EC002600
Custom tariff number:	85369095

Material

Base unit material:	Polycarbonate
Cover material:	Polycarbonate
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

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

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

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

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

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

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

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

[89511001 - Abox MPI 100 - Mounting plate](#)

[89531001 - Abox 100 NS35 - Standard rail](#)

[89600501 - Abox 100 KH 221 6² - Terminal holder](#)

[89600601 - Abox 100 KH 2006 6² - Terminal holder](#)

[89641001 - Abox 100 KLS-10² - Terminal block](#)

[89600901 - KTB 1 - Fastening parts kit](#)

Cable gland

