Junction box

Abox Pro 100 AB-L



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Junction box

CUSTOMIZABLE

Productnumber: 41040101
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, Ui=1000 V AC, without terminals

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

Technical Data

electrical characteristics

Rated insulation voltage AC:	1000 V
Rated insulation voltage DC:	1000 V
Max. conductor cross section:	10 mm²
Protection class:	II
Type of protection:	IP66/IP67/IP69
Terminal type:	none

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:	0.5215 kg

Material characteristics

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

Max. number of terminals per cross section acc. to DIN VDE 0606-1

max. amount of terminals at 1,5²:	15
max. amount of terminals at 2,5²:	12

Max. number of terminals per cross section acc. to DIN VDE 0606-1

max. amount of terminals at 4²:	10
max. amount of terminals at 6²:	8
max. amount of terminals at 10²:	5

Max. number of wires per cross section acc. to DIN VDE 0606-1

max. amount of wires at 1,5²:	45
max. amount of wires at 2,5²:	36
max. amount of wires at 4²:	30
max. amount of wires at 10²:	24
max. amount of wires at 6²:	15

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:	4013902663880
ETIM Class:	EC002600
Custom tariff number:	85389099
Minimum order quantity:	1

Material

Base unit material:	Polycarbonate, glass-fibre reinforced
Cover material:	Polycarbonate
Sealing material:	Thermoplastic elastomer
Cover screw material:	Stainless steel 1.4567 (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

89602901 - KTB 1-100 - Cable tray fastening

18200601 - TG DVS-42 - Cover retainer

Cable gland

