Junction box

Abox Pro 025 AB-L/sw



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Junction box

Productnumber: 40200101
Dimensions: 92 x 92 x 60 mm

Junction box, protection class IP66/IP67/IP69, nominal cross-section 2.5 mm², certified by VDE (DIN EN 60670-1/-22 (VDE 0606-1/-22)), DLG (Ammonia resistance), DNV (Class: Ships and Offshore Installations), knockouts, M16/M20, (1 rear, 7 side), external fixing lugs, for installation in industrial environments and unprotected outdoor areas

black, Ui=1000 V AC, without terminals

Accessories supplied:
4 double membrane seals IP66 M20 sealing range 7 - 13 mm, cover retainer

IP66 IP67 IP69 | 2,5² | IK09 | 1000V AC | 1000V DC

Created at 04.06.2026. All statements without guarantee. We reserve the right to make improvements to technical progress.
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Technical Data

electrical characteristics

Rated insulation voltage AC:	1000 V
Rated insulation voltage DC:	1000 V
Max. conductor cross section:	2,5 mm²
Protection class:	II
Type of protection:	IP66/IP67/IP69
Terminal type:	none

Colours

Base unit colour:	black
Cover colour:	black

Dimensions

Width:	92 mm
Length:	92 mm
Height:	60 mm
Inner length:	78 mm
Inner width:	78 mm
Inner height:	40 mm
Weight:	0.1717 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:	8
max. amount of terminals at 2,5²:	6

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

max. amount of wires at 1,5²:	24
max. amount of wires at 2,5²:	20

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:	4013902662104
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

22701601 - KVR M16-MGM/sw - Cable gland

22702001 - KVR M20-MGM/sw - Cable gland

26001601 - DMS M16/sw - Double-membrane seals

26002001 - DMS M20/sw - Double-membrane seals

89520201 - Abox 025 TS15 - Standard rail

89600201 - Abox 025/040 KH 2273 2,5² - Terminal holder

89600301 - Abox 025/040 KH 221 4² - Terminal holder

89640401 - Abox 025/040 KLS-2,5²/4² - Terminal block

89601001 - MABF 65-1 - Mast/pipe fixing set

89602901 - KTB 1-100 - Cable tray fastening

18200601 - TG DVS-42 - Cover retainer

Cable gland

