Junction box

Abox Pro 060-6²/sw



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Junction box

Productnumber: 40602001
Dimensions: 127 x 127 x 75 mm

Junction box, protection class IP66/IP67/IP69, nominal cross-section 6 mm², certified by VDE (DIN EN 60670-1/-22 (VDE 0606-1/-22)), DLG (Ammonia resistance), DNV (Class: Ships and Offshore Installations), knockouts, M20/M32, (1 rear, 7 side), internal fixing points, for installation in industrial environments and unprotected outdoor areas

black, Ui=690 V AC, In=41 A, with raised screw terminal block, 5-pole, max. cross-section acc. DIN EN 60998: 6 mm², clampable cross-sections per pole: 4 x 1.5 mm², 4 x 2.5 mm², 4 x 4 mm², 4 x 6 mm², 2 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

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:	690 V
Rated insulation voltage DC:	690 V
Min. conductor cross section:	1,5 mm²
Max. conductor cross section:	6 mm²
Protection class:	II
Type of protection:	IP66/IP67/IP69
Rated current:	41 A
Terminal type:	Screw terminal
Number of poles:	5

Colours

Base unit colour:	black
Cover colour:	black

Dimensions

Width:	127 mm
Length:	127 mm
Height:	75 mm
Inner length:	113 mm
Inner width:	113 mm
Inner height:	55 mm
Weight:	0.3805 kg

Material characteristics

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

mechanical properties

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

Sales Information

EAN:	4013902664337
ETIM Class:	EC002600
Custom tariff number:	85369095
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

22702001 - KVR M20-MGM/sw - Cable gland

22702101 - KVR M20-GDB/MGM/sw - Cable gland

22703201 - KVR M32-MGM/sw - Cable gland

26002001 - DMS M20/sw - Double-membrane seals

26003201 - DMS M32/sw - Double-membrane seals

89510601 - Abox MPI 060 - Mounting plate

89530601 - Abox 060 NS35 - Standard rail

89600401 - Abox 060 KH 221 4² - Terminal holder

89640601 - Abox 060 KLS-6² - Terminal block

89602001 - MABF 100-1 - Mast/pipe fixing set

89602901 - KTB 1-100 - Cable tray fastening

18200601 - TG DVS-42 - Cover retainer

Cable gland

