Junction box

Abox Pro XT-6²



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Junction box

Productnumber: 40645001
Dimensions: 127 x 127 x 75 mm

Junction box, protection class IP68, nominal cross-section 6 mm², Ui=690 V AC, certified by VDE (DIN EN 60670-1/-22 (VDE 0606-1/-22) & DIN VDE V 0606-22-100), knockouts, M20/M32, (1 rear, 7 side), internal fixing points, with screw terminals for encapsulation, for assembly in flooded areas and in the ground without traffic loads, for installations in the industrial environment and unprotected outside areas

grey, In=41 A, grey, Ui=690 V AC, In=41 A, with raised screw terminal block, 5-pole, max. nominal 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 ferrule

Accessories supplied:
4 double membrane seals IP66 M32 sealing range 13 - 21 mm, 2 sealing plugs M20, 1 attachment bush M20, cover retainer, 1 cast resin bag GHB Pro 3 with filling funnel and disposable gloves

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:	IP68
Rated current:	41 A
Terminal type:	Screw terminal
Number of poles:	5

Colours

Base unit colour:	grey
Cover colour:	grey

Dimensions

Width:	127 mm
Length:	127 mm
Height:	75 mm
Inner length:	113 mm
Inner width:	113 mm
Inner height:	55 mm
Weight:	1.2653 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
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:	4013902664139
ETIM Class:	EC002600
Custom tariff number:	85369095
Minimum order quantity:	1

Material

Base unit material:	Polycarbonate
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) & DIN VDE V 0606-22-100)

Accessories

49252301 - GHB Pro 3 - Cast-resin bag

26042001 - DMS M20 - Double-membrane seals

26043201 - DMS M32 - Double-membrane seals

22742101 - KVR M20-GDB/MGM - Cable gland

22742001 - KVR M20-MGM - Cable gland

22743201 - KVR M32-MGM - Cable gland

Cable gland

