

Junction box

Abox 100-10²/w



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Junction box

Productnumber: 81012001

Dimensions: 152 x 152 x 80 mm

Junction box, protection class IP66, nominal cross-section 10 mm², certified by VDE (DIN EN 60670-1/-22 (VDE 0606-1/-22)), DLG (Ammonia resistance), self-sealing, soft insertion membranes, M20/M25/M32, sealing range 8 - 28 mm, (2 rear, 10 side), internal fixing points, for standard indoor and protected outdoor installations

white, 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



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
Rated current:	57 A
Terminal type:	Screw terminal
Number of poles:	5

Colours

Base unit colour:	white
Cover colour:	white

Dimensions

Width:	152 mm
Length:	152 mm
Height:	80 mm
Inner length:	139 mm
Inner width:	140 mm
Inner height:	64 mm
Weight:	0.414 kg

Material characteristics

UV-resistant:	yes
Halogen free:	yes
Flammability class according with UL94:	HB
Glow-wire flammability according to EN 60695-2-11:	750 °C

mechanical properties

for sealing range min:	8 mm
for sealing range max:	28 mm
Impact strength:	IK07
Sealable:	yes
Cover screw torque:	1.2 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:	-25 °C
Max. ambient temperature:	55 °C
24h ambient temperature:	35 °C
Installation location:	protected outdoor areas

Sales Information

EAN:	4013902660575
Packing Unit Code:	C62
ETIM Class:	EC002600
Custom tariff number:	85369095

Material

Base unit material:	Polypropylene
Cover material:	Polypropylene
Entry material:	Thermoplastic elastomer
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)

Accessories

[26012001 - DMS M20/w - Double-membrane seals](#)

[26012501 - DMS M25/w - Double-membrane seals](#)

[26013201 - DMS M32/w - Double-membrane seals](#)

[89500101 - Abox PST 025-100 - Sealing kit](#)

[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](#)

[89602001 - MABF 100-1 - Mast/pipe fixing set](#)

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

Cable gland

