Junction box

Abox 025 AB-2,5²



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Junction box

CUSTOMIZABLE

Productnumber: 80242101
Dimensions: 87 x 87 x 52 mm

Junction box, protection class IP66, nominal cross-section 2.5 mm², certified by VDE (DIN EN 60670-1/-22 (VDE 0606-1/-22)), DLG (Ammonia resistance), self-sealing, soft insertion membranes, M16/M20, sealing range 4 - 16 mm, (1 rear, 8 side), external fixing lugs, for standard indoor and protected outdoor installations

grey, Ui=450 V AC, In=24 A, with 5 screwless 5-wire terminal, Wago 2273-205, max. nominal cross-section in accordance with DIN EN 60998: 2.5 mm², clampable cross-sections per pole: 5 x 0.5 - 2.5 mm² rigid Cu/Al (follow installation instructions)

IP66 | 2,5² | IK07 | 450V AC | 450V DC

Technical Data

electrical characteristics

Rated insulation voltage AC:	450 V
Rated insulation voltage DC:	450 V
Min. conductor cross section:	0,5 mm²
Max. conductor cross section:	2,5 mm²
Protection class:	II
Type of protection:	IP66
Rated current:	24 A
Terminal type:	screwless
Number of poles:	5

Colours

Base unit colour:	grey
Cover colour:	grey

Dimensions

Width:	87 mm
Length:	87 mm
Height:	52 mm
Inner length:	75 mm
Inner width:	75 mm
Inner height:	37 mm
Weight:	0.109 kg

Material characteristics

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

mechanical properties

for sealing range min:	4 mm
for sealing range max:	16 mm
Impact strength:	IK07
Sealable:	yes
Cover screw torque:	1.2 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:	-25 °C
Max. ambient temperature:	55 °C
24h ambient temperature:	35 °C
Installation location:	protected outdoor areas

Sales Information

EAN:	4013902662340
ETIM Class:	EC002600
Custom tariff number:	85369095
Minimum order quantity:	1

Material

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

Accessories

22741601 - KVR M16-MGM - Cable gland

22742001 - KVR M20-MGM - Cable gland

22742101 - KVR M20-GDB/MGM - Cable gland

26041601 - DMS M16 - Double-membrane seals

26042001 - DMS M20 - Double-membrane seals

89500101 - Abox PST 025-100 - Sealing kit

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

Cable gland

