Junction box

Abox 160-L



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Junction box

CUSTOMIZABLE

Productnumber: 81640001
Dimensions: 182 x 182 x 90 mm

Junction box, protection class IP55/IP66, nominal cross-section 16 mm², certified by VDE (DIN EN 60670-1/-22 (VDE 0606-1/-22)), DLG (Ammonia resistance), knockouts, M20/M32/M40, (2 rear, 10 side), internal fixing points, for standard indoor and protected outdoor installations

grey, Ui=1000 V AC, without terminals

Accessories supplied:
4 attachment bushes IP55 M40 sealing range 17 - 30 mm, 1 sealing plug IP55 M40, cover retainer

Technical Data

electrical characteristics

Rated insulation voltage AC:	1000 V
Rated insulation voltage DC:	1000 V
Max. conductor cross section:	16 mm²
Protection class:	II
Type of protection:	IP55/IP66
Rated current:	101 A
Terminal type:	none

Colours

Base unit colour:	grey
Cover colour:	grey

Dimensions

Width:	182 mm
Length:	182 mm
Height:	90 mm
Inner length:	167 mm
Inner width:	167 mm
Inner height:	69 mm
Weight:	0.6114 kg

Material characteristics

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

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

max. amount of terminals at 2,5²:	15

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

max. amount of terminals at 4²:	12
max. amount of terminals at 6²:	8
max. amount of terminals at 10²:	6
max. amount of terminals at 16²:	5

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

max. amount of wires at 2,5²:	45
max. amount of wires at 4²:	36
max. amount of wires at 10²:	24
max. amount of wires at 6²:	20
max. amount of wires at 16²:	15

mechanical properties

Impact strength:	IK07
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:	-25 °C
Max. ambient temperature:	55 °C
24h ambient temperature:	35 °C
Installation location:	protected outdoor areas

Sales Information

EAN:	4013902660391
ETIM Class:	EC002600
Custom tariff number:	85389099
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))
Test mark:	DLG (Ammonia resistance)

Accessories

22742001 - KVR M20-MGM - Cable gland

22742101 - KVR M20-GDB/MGM - Cable gland

22743201 - KVR M32-MGM - Cable gland

22744001 - KVR M40-MGM - Cable gland

26042001 - DMS M20 - Double-membrane seals

26043201 - DMS M32 - Double-membrane seals

26044001 - DMS M40 - Double-membrane seals

23042001 - AST M20 - Attachment bushes

23043201 - AST M32 - Attachment bushes

23044001 - AST M40 - Attachment bushes

89511601 - Abox MPI 160 - Mounting plate

89531601 - Abox 160/250 NS35 - Standard rail

89600601 - Abox 100 KH 2006 6² - Terminal holder

89641601 - Abox 160 KLS-16² - Terminal block

89603001 - MABF 150-1 - Mast/pipe fixing set

89602901 - KTB 1-100 - Cable tray fastening

Cable gland

