

Junction box

# Abox 160-L



## Abox 160-L

Junction box

**CUSTOMIZABLE**

Productnumber: 81640001

Dimensions: 182 x 182 x 90 mm

Junction box, protection class IP55/IP66, nominal cross-section 16 mm<sup>2</sup>, 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 mm <sup>2</sup>
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 according to EN 60695-2-11:	750 °C

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

max. amount of terminals at 2,5 <sup>2</sup> :	15
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### Max. number of terminals per cross section acc. to DIN VDE 0606-1

max. amount of terminals at 4 <sup>2</sup> :	12
max. amount of terminals at 6 <sup>2</sup> :	8
max. amount of terminals at 10 <sup>2</sup> :	6
max. amount of terminals at 16 <sup>2</sup> :	5

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

max. amount of wires at 2,5 <sup>2</sup> :	45
max. amount of wires at 4 <sup>2</sup> :	36
max. amount of wires at 10 <sup>2</sup> :	24
max. amount of wires at 6 <sup>2</sup> :	20
max. amount of wires at 16 <sup>2</sup> :	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

## Material

Base unit material:	Polycarbonate
Cover material:	Polycarbonate
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

- [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](#)

## Cable gland

