

Junction box

# Abox Pro 160-L/sw



## Abox Pro 160-L/sw

**Junction box**

Productnumber: 41600001

Dimensions: 182 x 182 x 90 mm

Junction box, protection class IP66/IP67/IP69, nominal cross-section 16 mm<sup>2</sup>, certified by VDE (DIN EN 60670-1/-22 (VDE 0606-1/-22)), DLG (Ammonia resistance), DNV (Class: Ships and Offshore Installations), knockouts, M20/M32/M40, (2 rear, 10 side), internal fixing points, for installation in industrial environments and unprotected outdoor areas

**black, Ui=1000 V AC, without terminals**

**Accessories supplied:**  
**4 double membrane seals IP66 M40 sealing range 17 - 28 mm, 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:	IP66/IP67/IP69
Terminal type:	none

### Colours

Base unit colour:	black
Cover colour:	black

### Dimensions

Width:	182 mm
Length:	182 mm
Height:	90 mm
Inner length:	167 mm
Inner width:	167 mm
Inner height:	69 mm
Weight:	0.6231 kg

### Material characteristics

UV-resistant:	yes
Halogen free:	yes
Flammability class according with UL94:	V0
Glow-wire flammability according to EN 60695-2-11:	960 °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
max. amount of terminals at 4 <sup>2</sup> :	12

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

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

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

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:	IK09
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:	-35 °C
Max. ambient temperature:	80 °C
24h ambient temperature:	60 °C
Installation location:	unprotected outdoor areas

## Sales Information

EAN:	4013902663743
Packing Unit Code:	C62
ETIM Class:	EC002600
Custom tariff number:	85389099

## Material

Base unit material:	Polycarbonate, glass-fibre reinforced
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)
Test mark:	DNV (Class: Ships and Offshore Installations)

## Accessories

[22702001 - KVR M20-MGM/sw - Cable gland](#)

[22702101 - KVR M20-GDB/MGM/sw - Cable gland](#)

[22703201 - KVR M32-MGM/sw - Cable gland](#)

[22704001 - KVR M40-MGM/sw - Cable gland](#)

[26002001 - DMS M20/sw - Double-membrane seals](#)

[26003201 - DMS M32/sw - Double-membrane seals](#)

[26004001 - DMS M40/sw - Double-membrane seals](#)

[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](#)

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

## Cable gland

