Junction box

# Abox 100-L/sw



## Abox 100-L/sw

**Junction box**

Productnumber: 81000001
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

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

# Technical Data

## electrical characteristics

| | |
|---|---|
| Rated insulation voltage AC: | 1000 V |
| Rated insulation voltage DC: | 1000 V |
| Max. conductor cross section: | 10 mm² |
| Protection class: | II |
| Type of protection: | IP66 |
| Terminal type: | none |

## Colours

| | |
|---|---|
| Base unit colour: | black |
| Cover colour: | black |

## Dimensions

| | |
|---|---|
| Width: | 152 mm |
| Length: | 152 mm |
| Height: | 80 mm |
| Inner length: | 139 mm |
| Inner width: | 140 mm |
| Inner height: | 64 mm |
| Weight: | 0.2685 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 1,5²: | 15 |
| max. amount of terminals at 2,5²: | 12 |

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

| | |
|---|---|
| max. amount of terminals at 4²: | 10 |
| max. amount of terminals at 6²: | 8 |
| max. amount of terminals at 10²: | 5 |

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

| | |
|---|---|
| max. amount of wires at 1,5²: | 45 |
| max. amount of wires at 2,5²: | 36 |
| max. amount of wires at 4²: | 30 |
| max. amount of wires at 10²: | 24 |
| max. amount of wires at 6²: | 15 |

## 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: | 4013902660667 |
| ETIM Class: | EC002600 |
| Custom tariff number: | 85389099 |
| 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

22702001 - KVR M20-MGM/sw - Cable gland

22702501 - KVR M25-MGM/sw - Cable gland

22703201 - KVR M32-MGM/sw - Cable gland

26002001 - DMS M20/sw - Double-membrane seals

26002501 - DMS M25/sw - Double-membrane seals

26003201 - DMS M32/sw - 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

89602901 - KTB 1-100 - Cable tray fastening

## Cable gland

