Junction box

# Abox 025 AB-L/sw




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**Junction box**

CUSTOMIZABLE

Productnumber: 80200101
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

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

IP66 | 2,5² | IK07 | 1000V AC | 1000V DC

# Technical Data

## electrical characteristics

| | |
|---|---|
| Rated insulation voltage AC: | 1000 V |
| Rated insulation voltage DC: | 1000 V |
| Max. conductor cross section: | 2,5 mm² |
| Protection class: | II |
| Type of protection: | IP66 |
| Terminal type: | none |

## Colours

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

## Dimensions

| | |
|---|---|
| Width: | 87 mm |
| Length: | 87 mm |
| Height: | 52 mm |
| Inner length: | 75 mm |
| Inner width: | 75 mm |
| Inner height: | 37 mm |
| Weight: | 0.099 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: | 8 |
| max. amount of terminals at 2,5²: | 6 |

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

| | |
|---|---|
| max. amount of wires at 1,5²: | 24 |
| max. amount of wires at 2,5²: | 20 |

## 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: | 4013902663392 |
| 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

22702101 - KVR M20-GDB/MGM/sw - Cable gland

26001601 - DMS M16/sw - Double-membrane seals

26002001 - DMS M20/sw - Double-membrane seals

22701601 - KVR M16-MGM/sw - Cable gland

89610001 - KKA 1515/sw - Cable duct adapter

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

