Junction box

# Abox-i m 040 SB-L

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**Junction box**

CUSTOMIZABLE

Productnumber: 50170401
Dimensions: 94 x 94 x 57 mm

Junction box, protection class IP66, nominal cross-section 4 mm², Ui=690 V AC, certified by VDE (DIN EN 60670-1/-22 (VDE 0606-1/-22)), DLG (Ammonia resistance), DNV (Class: Ships and Offshore Installations), knockouts, M20/M25, (1 rear, 8 side), internal fixing points, for installations in industrial environments and protected outdoor areas

**grey, with red cover, without terminals, for identifying circuits for safety lighting**

**Accessories supplied:**
**4 Double-membrane seal IP66 M25 sealing range 9 - 16 mm**

IP66 | 4² | IK08 | 690V AC

# Technical Data

## electrical characteristics

| | |
|---|---|
| Rated insulation voltage AC: | 690 V |
| Max. conductor cross section: | 4 mm² |
| Protection class: | II |
| Type of protection: | IP66 |
| UL Type Rating: | not specified |

## Colours

| | |
|---|---|
| Base unit colour: | grey |
| Cover colour: | red |

## Dimensions

| | |
|---|---|
| Width: | 94 mm |
| Length: | 94 mm |
| Height: | 57 mm |
| Weight: | 0.1496 kg |

## Material characteristics

| | |
|---|---|
| UV-resistant: | yes |
| Halogen free: | yes |
| Flammability class according with UL94: | V2 |
| Glow-wire flammability according to EN 60695-2-11: | 960 °C |

## mechanical properties

| | |
|---|---|
| Type of fastening: | Wall/ceiling mounting |
| Impact strength: | IK08 |
| Sealable: | yes |
| Cover screw torque: | 1.7 Nm |
| 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: | protected outdoor areas |

## Sales Information

| | |
|---|---|
| ETIM Class: | EC002600 |
| Custom tariff number: | 85389099 |

## Material

| | |
|---|---|
| Base unit material: | Polycarbonate |
| Cover material: | Polycarbonate, glass-fibre reinforced |
| 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) |

Created at 12.10.2024. All statements without guarantee. We reserve the right to make improvements to technical progress.
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## Accessories

22742001 - KVR M20-MGM - Cable gland

22742101 - KVR M20-GDB/MGM - Cable gland

22742501 - KVR M25-MGM - Cable gland

24742501 - KVR M25 - Cable gland

26012001 - DMS M20/w - Double-membrane seals

26012501 - DMS M25/w - Double-membrane seals

26042001 - DMS M20 - Double-membrane seals

26042501 - DMS M25 - Double-membrane seals

84000401 - Abox 025/040 KLS-2,5²/4² - Terminal block

89001001 - Abox PST - Sealing kit

84000201 - Abox 025/040 KLH-SL 0,2/4² - Terminal holder

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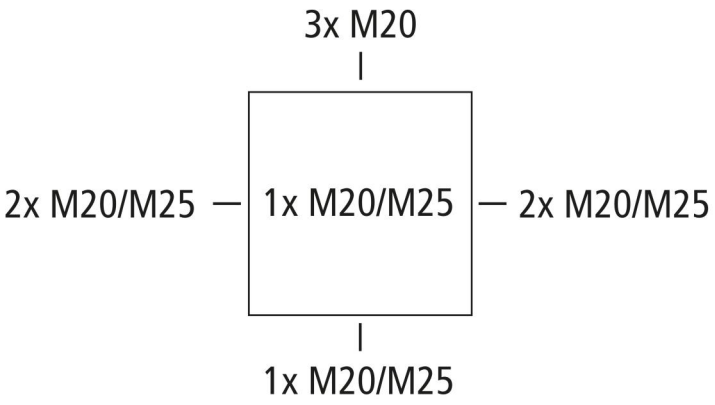
## Cable gland





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