

Junction box

## Abox 025 AB-L/SB



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**Junction box**

Productnumber: 80270101

Dimensions: 87 x 87 x 52 mm

Junction box, protection class IP66, nominal cross-section 2.5 mm<sup>2</sup>, 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

**grey, Ui=1000 V AC, with red cover, without terminals, for identification of safety lighting circuits**



## 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: | grey |
| Cover colour:     | red  |

### 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 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 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:                  | 4013902661800 |
| ETIM Class:           | EC002600      |
| Custom tariff number: | 85389099      |

### Material

|                       |                         |
|-----------------------|-------------------------|
| Base unit material:   | Polypropylene           |
| Cover material:       | Polypropylene           |
| Entry material:       | Thermoplastic elastomer |
| 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

[22741601 - KVR M16-MGM - Cable gland](#)

[22742001 - KVR M20-MGM - Cable gland](#)

[22742101 - KVR M20-GDB/MGM - Cable gland](#)

[26041601 - DMS M16 - Double-membrane seals](#)

[26042001 - DMS M20 - Double-membrane seals](#)

[89500101 - Abox PST 025-100 - Sealing kit](#)

[89520201 - Abox 025 TS15 - Standard rail](#)

[89600201 - Abox 025/040 KH 2273 2,5<sup>2</sup> - Terminal holder](#)

[89600301 - Abox 025/040 KH 221 4<sup>2</sup> - Terminal holder](#)

[89640401 - Abox 025/040 KLS-2,5<sup>2</sup>/4<sup>2</sup> - Terminal block](#)

[89601001 - MABF 65-1 - Mast/pipe fixing set](#)

## Cable gland

