

Junction box

# Abox Pro 025 AB-L/sw

## Abox Pro 025 AB-L/sw

**Junction box**

Productnumber: 40200101

Dimensions: 92 x 92 x 60 mm

Junction box, protection class IP66/IP67/IP69, nominal cross-section 2.5 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, M16/M20, (1 rear, 7 side), external fixing lugs, for installation in industrial environments and unprotected outdoor areas

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

**Accessories supplied:**

**4 double membrane seals IP66 M20 sealing range 7 - 13 mm, cover retainer**



## Technical Data

### electrical characteristics

|                               |                     |
|-------------------------------|---------------------|
| Rated insulation voltage AC:  | 1000 V              |
| Rated insulation voltage DC:  | 1000 V              |
| Max. conductor cross section: | 2,5 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:        | 92 mm     |
| Length:       | 92 mm     |
| Height:       | 60 mm     |
| Inner length: | 78 mm     |
| Inner width:  | 78 mm     |
| Inner height: | 40 mm     |
| Weight:       | 0.1717 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 1,5 <sup>2</sup> : | 8 |
| max. amount of terminals at 2,5 <sup>2</sup> : | 6 |

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

|  |    |
|--|----|
| max. amount of wires at 1,5 <sup>2</sup> : | 24 |
| max. amount of wires at 2,5 <sup>2</sup> : | 20 |

### mechanical properties

|                     |                       |
|---------------------|-----------------------|
| Impact strength:    | IK09                  |
| Sealable:           | yes                   |
| Cover screw torque: | 1.5 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:    | -35 °C                    |
| Max. ambient temperature:    | 80 °C                     |
| 24h ambient temperature:     | 60 °C                     |
| Installation location:       | unprotected outdoor areas |

### Sales Information

|                       |               |
|-----------------------|---------------|
| EAN:                  | 4013902662104 |
| Packing Unit Code:    | C62           |
| ETIM Class:           | EC002600      |
| Custom tariff number: | 85389099      |

### Material

|                       |                         |
|-----------------------|-------------------------|
| Base unit material:   | Polycarbonate           |
| 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

[22701601 - KVR M16-MGM/sw - Cable gland](#)

[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](#)

[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](#)

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

## Cable gland

