

Junction box

## Abox 060-6<sup>2</sup>/sw



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Junction box

Productnumber: 80602001

Dimensions: 127 x 127 x 70 mm

Junction box, protection class IP66, nominal cross-section 6 mm<sup>2</sup>, 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 4 - 28 mm, (2 rear, 8 side), internal fixing points, for standard indoor and protected outdoor installations

**black, Ui=690 V AC, In=41 A, with raised screw terminal block, 5-pole, max. cross-section acc. DIN EN 60998: 6 mm<sup>2</sup>, clampable cross-sections per pole: 4 x 1.5 mm<sup>2</sup>, 4 x 2.5 mm<sup>2</sup>, 4 x 4 mm<sup>2</sup>, 4 x 6 mm<sup>2</sup>, 2 x 10 mm<sup>2</sup> rigid Cu/flexible with wire-end ferrule**



## Technical Data

### electrical characteristics

|                               |                |
|-------------------------------|----------------|
| Rated insulation voltage AC:  | 690 V          |
| Rated insulation voltage DC:  | 690 V          |
| Min. conductor cross section: | 1,5 mm²        |
| Max. conductor cross section: | 6 mm²          |
| Protection class:             | II             |
| Type of protection:           | IP66           |
| Rated current:                | 41 A           |
| Terminal type:                | Screw terminal |
| Number of poles:              | 5              |

### Colours

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

### Dimensions

|               |          |
|---------------|----------|
| Width:        | 127 mm   |
| Length:       | 127 mm   |
| Height:       | 70 mm    |
| Inner length: | 114 mm   |
| Inner width:  | 114 mm   |
| Inner height: | 54 mm    |
| Weight:       | 0.281 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 |

### mechanical properties

|                        |                        |
|------------------------|------------------------|
| for sealing range min: | 4 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:                  | 4013902661084 |
| ETIM Class:           | EC002600      |
| Custom tariff number: | 85369095      |

### 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

[22702001 - KVR M20-MGM/sw - Cable gland](#)

[22702101 - KVR M20-GDB/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](#)

[89510601 - Abox MPI 060 - Mounting plate](#)

[89530601 - Abox 060 NS35 - Standard rail](#)

[89600401 - Abox 060 KH 221 4<sup>2</sup> - Terminal holder](#)

[89640601 - Abox 060 KLS-6<sup>2</sup> - Terminal block](#)

[89602001 - MABF 100-1 - Mast/pipe fixing set](#)

## Cable gland

