Junction box

# Abox Pro 060 AB-6²



## Abox Pro 060 AB-6²

**Junction box**

CUSTOMIZABLE

Productnumber: 40642101
Dimensions: 127 x 127 x 75 mm

Junction box, protection class IP66/IP67/IP69, nominal cross-section 6 mm², certified by VDE (DIN EN 60670-1/-22 (VDE 0606-1/-22)), DLG (Ammonia resistance), DNV (Class: Ships and Offshore Installations), knockouts, M20/M32, (1 rear, 7 side), external fixing lugs, for installation in industrial environments and unprotected outdoor areas

**grey, Ui=690 V AC, In=41 A, with raised screw terminal block, 5-pole, max. cross-section acc. DIN EN 60998: 6 mm², clampable cross-sections per pole: 4 x 1.5 mm², 4 x 2.5 mm², 4 x 4 mm², 4 x 6 mm², 2 x 10 mm² rigid Cu/flexible with wire-end ferrule**

**Accessories supplied:**
**4 double membrane seals IP66 M32 sealing range 13 - 21 mm, cover retainer**

# 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/IP67/IP69 |
| Rated current: | 41 A |
| Terminal type: | Screw terminal |
| Number of poles: | 5 |

## Colours

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

## Dimensions

| | |
|---|---|
| Width: | 127 mm |
| Length: | 127 mm |
| Height: | 75 mm |
| Inner length: | 113 mm |
| Inner width: | 113 mm |
| Inner height: | 55 mm |
| Weight: | 0.3845 kg |

## Material characteristics

| | |
|---|---|
| UV-resistant: | yes |
| Halogen free: | yes |
| Flammability class according with UL94: | V0 |
| Glow-wire flammability: | 960 °C (EN 60695-2-11) |

## 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: | 4013902664184 |
| ETIM Class: | EC002600 |
| Custom tariff number: | 85369095 |
| Minimum order quantity: | 1 |

## Material

| | |
|---|---|
| Base unit material: | Polycarbonate, glass-fibre reinforced |
| Cover material: | Polycarbonate |
| 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) |
| Test mark: | DNV (Class: Ships and Offshore Installations) |

## Accessories

22742001 - KVR M20-MGM - Cable gland

22742101 - KVR M20-GDB/MGM - Cable gland

22743201 - KVR M32-MGM - Cable gland

26042001 - DMS M20 - Double-membrane seals

26043201 - DMS M32 - Double-membrane seals

89510601 - Abox MPI 060 - Mounting plate

89530601 - Abox 060 NS35 - Standard rail

89600401 - Abox 060 KH 221 4² - Terminal holder

89640601 - Abox 060 KLS-6² - Terminal block

89602001 - MABF 100-1 - Mast/pipe fixing set

89602901 - KTB 1-100 - Cable tray fastening

18200601 - TG DVS-42 - Cover retainer

## Cable gland

