



KX 1010 C



- Cable junction box for hazardous areas
- for hazardous areas, can be used in zone 2 and 22
- with branch terminal
- dimensions H x W x D: 130 x 180 x 77 mm

ELECTRICAL PROPERTIES

Rated insulation voltage: $U_i = 690 \text{ V}$

Rated current per cross-section:

Conductor cross-section max.	Rated current
2.5 mm ²	$I_n = 15.5 \text{ A}$
4 mm ²	$I_n = 20 \text{ A}$
6 mm ²	$I_n = 24.1 \text{ A}$
10 mm ²	$I_n = 32.3 \text{ A}$
16 mm ²	$I_n = 42.5 \text{ A}$

Ex marking for explosive gas atmospheres: II 3G Ex ec IIC T6 Gc

Ex marking for explosive dust atmospheres:

II 3D Ex tc IIIC T85 Dc

CONNECTION DATA

Terminal cross-section:

Maximum number of conductors clamping units each	Conductor cross-section min.	Conductor cross-section max.	Conductor cross section	Conductor type	Conductor material
3	2.5 mm ²	2.5 mm ²	solid, stranded, flexible	round	Cu
2	4 mm ²	10 mm ²	solid, stranded, flexible	round	Cu
1	16 mm ²	16 mm ²	stranded, flexible	round	Cu

Number of clamping units per pole: 2
Connection type: Screw connection
Ferrule required for flexible conductors: No
Dismantling length: 11 mm
Tightening torque of the terminal: 2 Nm

CABLE ENTRIES

Cable entries:

Number of cable entries	Type of cable entry	Size of the metric knock-outs	Sealing range of the cable entry	Position of cable entry
10	Drill marking	M20, M25, M32		wall

MECHANICAL PROPERTIES

Type of lid fastening: Quick locking: opening and closing by quarter turn, locked position well visible (open - locked)
Delivered accessories: External brackets
IP degree of protection: IP66
Sealable without accessories: No
Impact strength Ex-atmosphere: For high mechanical hazards (7 J impact energy)

AMBIENT CONDITIONS

To reduce the formation and accumulation of condensed water see technical information. "Formation of condensed water and retaliatory actions"

Application area: Outdoor installation

Ambient temperature: -20 °C up to +40 °C

MATERIAL PROPERTIES

Material: Polycarbonate
Glow wire test according to IEC 60695-2-11: 750 °C
UL 94: HB
Halogen-free: Yes
Silicone-free: Yes
Weatherproof: Yes (resistant to UV exposure due to solar radiation, ice and sea water, corrosion, temperature resistant, impact-resistant)

DIMENSIONS

Height: 130 mm
Width: 180 mm
Depth: 77 mm
Net weight: 0.394 kg

CERTIFICATES

conforming to the standards: DIN EN 60670-1/-22, IEC 60670-1/-22, DIN EN IEC 60079-1, DIN EN IEC 60079-7, DIN EN 60079-31

Certificates:

Type of certificate	Certificate number
VDE	40049684

SALES DATA

Product number: 62000338
EAN: 4012591135272
Pack unit: 1
Customs tariff number: 85369010

ETIM class:

DYNAMIC: EC002600 - Box/housing for surface mounting on the wall/ceiling
ETIM-8.0: EC002600 - Box/housing for surface mounting on the wall/ceiling
ETIM-7.0: EC002600 - Box/housing for surface mounting on the wall/ceiling
ETIM-6.0: EC002600 - Box/housing for surface mounting on the wall/ceiling
ETIM-5.0: EC002600 - Box/housing for surface mounting on the wall/ceiling
ETIM-4.0: EC002600 - Box/housing for surface mounting on the wall/ceiling

NOTE

When using the sealing plugs supplied, the specified protection class is not changed.

TENDER TEXT

Ex-cable junction boxes in accordance with IEC 60670-22 with built-in connecting terminal. Suitable for use in Ex zones 2 and 22 according to IEC 60079-1, IEC 60079-7 and IEC 60079-31 in indoor and unprotected outdoor installation in accordance with DIN VDE 0100, part 737. Ex declaration for explosive gas atmospheres II 3G Ex ec IIA T6 Gc. Ex declaration for explosive dust atmospheres II 3D Ex tc IIIC T85 Dc. For ambient temperatures of maximum value +40 °C and minimum value -20°C, with relative humidity of 50 % at +40 °C or 100 % at +25 °C. Material temperature resistance from -20 °C to +80 °C, burning behaviour according to IEC 60695-2-11 - glow wire test 750 °C, UL Subject 94 HB. Degree of protection in accordance with IEC 60529: IP 66 with AXM Ex cable glands. Rated insulation voltage: 690 V. Material: PC polycarbonate, weatherproof according to UL 746C f1, halogen- and silicone-free. Colour: black, similar to RAL 9011. Lid fastening with quick fasteners. Plug-in external brackets for wall mounting included. Make: HENSEL KX. Nominal cross-section: 2.5-10 mm², 5-pole terminal, dimensions HxWxD 130 x 180 x 77 mm

DRAWINGS

