

## Explosion-proof junction box LTJB-eP-1/2.1-[24x12]-[LT-BM-X3(1/1/1/0)]

### Explosion-proof plastic junction boxes

#### Description

LTJB-eP junction boxes for connection or branching of round-sheathed armored or unarmored cables with copper or aluminum cores in AC and DC circuits of electrical installations in oil/gas and petrochemical industry.

#### Installation

Flat surface mounting.

#### Design

The housing is made of fiberglass-reinforced polyester. The enclosure consists of a housing and a cover. There is DIN rail with terminals inside the housing. Cable glands, couplings, end plugs can be installed on the sides of enclosure. Mounting straps, fasteners are made of corrosion-resistant steel.

#### EX Mark

1 Ex e II T6 Gb / 0 Ex ia IIC T6 X Ga/ Ex tb IIIC Ta80°C Db – for junction box; 1 Ex e II Gb U / Ex tb IIIC Db U – for enclosure.

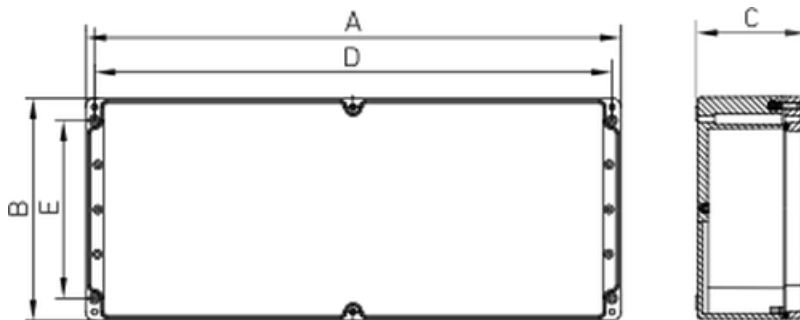
#### Characteristics

Explosion-proof protection according "increased safety "e", "intrinsic safety "i", "dust ignition protection "t". Zones: gas explosion protection – 0, 1, 2; dust explosion protection – 20, 21, 22. Maximum rated voltage: 690 V. Maximum rated current: 125 A.

#### Product picture:



#### Dimensions:



|        |                   |        |
|--------|-------------------|--------|
| A      | Length            | 170 mm |
| B      | Width             | 108 mm |
| C      | Height            | 57 mm  |
| D      | Length (mounting) | 98 mm  |
| E      | Width (mounting)  | 45 mm  |
| Weight |                   | 0.6 kg |

## Technical features

|    |                                     |                     |
|----|-------------------------------------|---------------------|
| 1  | Article no.                         | 2327003010          |
| 2  | Marking for gas                     | 1 Ex e II T6 Gb     |
| 3  | Dust marking                        | Ex tb IIIC T80 C Db |
| 4  | Mine gas coal dust marking          | -                   |
| 5  | Electrical shock protection         | I                   |
| 6  | Ambient temperature                 | -60 to +55 C        |
| 7  | Climate application                 | CIm App1            |
| 8  | Ingress protection (IP)             | IP66                |
| 9  | Mechanical shock protection         | IK08/7 J            |
| 10 | Electromagnetic compatibility (EMC) | No                  |
| 11 | Energy efficiency class             | -                   |
| 12 | Housing color                       | Black               |
| 13 | Warranty                            | 18 months           |