

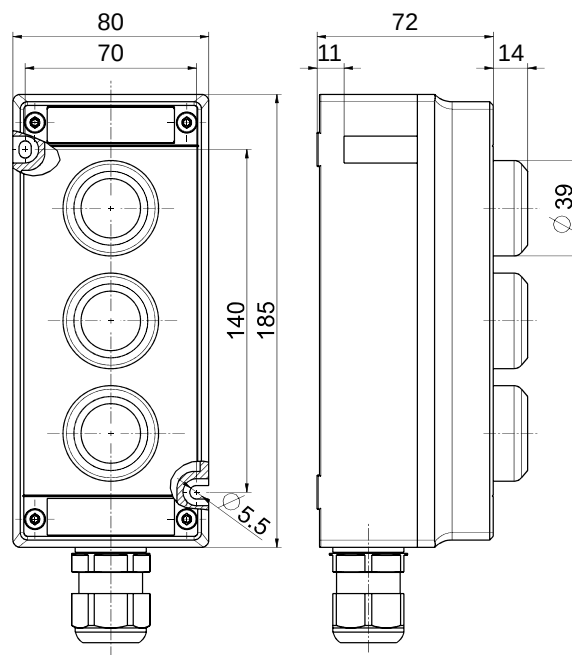


Ex command device Ex BF 80 3 LDT/LDT/LDT 1S/1S/1S -60°C Article no.: 1484621

Product features

- Ex zone 1 and 21
- Cold-resistant down to -60 °C
- Actuator: 3 illuminated push buttons LDT
- With 1 NO contact per push button
- 3 x 5 coloured filters (transparent, yellow, red, green, blue) included in the scope of delivery

Dimensions



Technical data

Applied standards

EN IEC 60079-0, EN 60079-1, EN IEC 60079-7, EN 60079-31, EN ISO 13849-1

Enclosure

polyester resin, glass-fibre reinforced

Sealing

silicone

Tightening torque

cover screws: max. 1 Nm
connecting thread of cable gland: max. 3 Nm
cap nut of cable gland: max. 2 Nm

Degree of protection

IP66 (IEC/EN 60529)

B_{10d} (10 % load)

6050

T_M

max. 20 years

Switching system

slow action, positive break NC contacts ⊕

Connection

screw connection terminals

Cable cross-section

max. 2.5 mm² (incl. conductor ferrules)

Cable entry

1 x M25 x 1.5

Clamping range

7 ... 17 mm

Mechanical life

50 000 operations

Impact energy

max. 4 J

Rated insulation voltage U_i

550 V

Rated operating current/voltage I_e/U_e

Contact element: AC-12: 6 A/400 VAC; AC-15: 2.5 A/400 VAC;
DC-13: 1.25 A/250 VDC

Switching capacity

Contact element: AC-12: 3000 VA; AC-15: 1000 VA; DC-13: 110 W

Rated operating current I_e

Lighting element: max. 10 mA

Rated operating voltage U_e

Lighting element:
12 ... 240 V at max. 60°C
12 ... 120 V at max. 65°C

Power consumption

Lighting element: max. 1 W

Errors and omissions excepted.



Ex command device Ex BF 80 3 LDT/LDT/LDT 1S/1S/1S -60°C Article no.: 1484621

Technical data (contd.)

Frequency range

Lighting element: 0 ... 60 Hz

Temperature class

T6 / T5

Ambient temperature

T6: -60 °C ... +50 °C;

T5: -60 °C ... +65 °C

Approvals

PTB 10 ATEX 1018

IECEX PTB 12.0029

Ex marking

⊕ II 2G Ex db eb IIC T6/T5 Gb,

⊕ II 2D Ex tb IIIC T80 °C/T95 °C Db

IECEX Ex db eb IIC T6/T5 Gb,

Ex tb IIIC T80 °C/T95 °C Db

Contact diagram

