



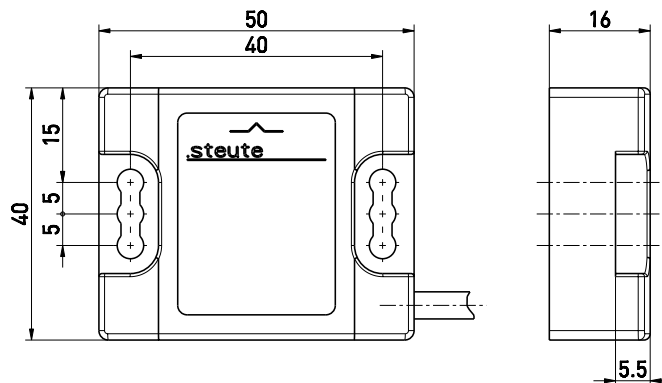
Ex safety sensor Ex RC Si 56 2Ö-3G/D - 10m Article no.: 1181390

Product features



- Ex zone 2 and 22
- Thermoplastic enclosure
- Long life
- Reed contacts, coded
- Actuation from front
- Switching distance up to 6 mm

Dimensions



General technical data

Applied standards

EN ISO 13849-1, EN 60947-5-3, EN ISO 14119, EN IEC 60079-0, EN 60079-18

Enclosure

thermoplastic, glass-fibre reinforced, shockproof, self-extinguishing UL 94 V-0

Sensor type

type 4 interlocking device

Degree of protection

IP67 (IEC/EN 60529)

Switching system

reed contacts

Switching elements

2 NC contacts

Connection

Pre-wired cable 4 x AWG 24 UL

Cable cross-section

4 x 0.22 mm²

Cable length

10 m

Switching voltage

max. 30 VDC

Rated operating current/voltage I_e/U_e

max. 125 mA / 24 VDC

Voltage drop at I_e

max. 2.5 V

Assured switching distance »OFF« s_{ar}

30 mm

Repeatability

< 0.5 mm

Hysteresis

min. 23 mm

Degree of pollution

3

Safety class

II

Ambient temperature

T6: -20 °C ... +70 °C,
T5: -20 °C ... +85 °C

Mechanical life

> 1 million operations

Impact energy

max. 7 J

Ex marking

Ⓔ II 3G Ex mc IIC T6/T5 Gc X,
Ⓔ II 3D Ex mc IIIC T80°C/T95°C Dc

Safety-relevant data

EN ISO 13849-1

Performance Level PL e

Category

4

B_{10d} (10 % load)

2 million

T_M

max. 20 years

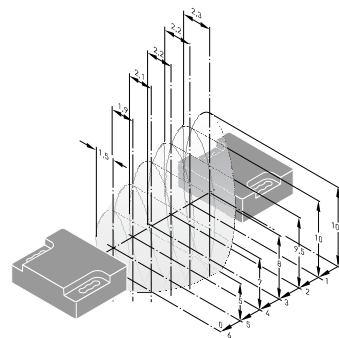
Errors and omissions excepted.



Safety-relevant data (contd.)

The safety-related data are only valid in combination with a safety module, e.g. SRM 21 RT2 (mat. no. 1179203).

Axial misalignment

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