



Ex safety sensor

Ex RC Si 56 2Ö - 5m

Material no.: 1184620 (material no. old: 25653503)

Product features

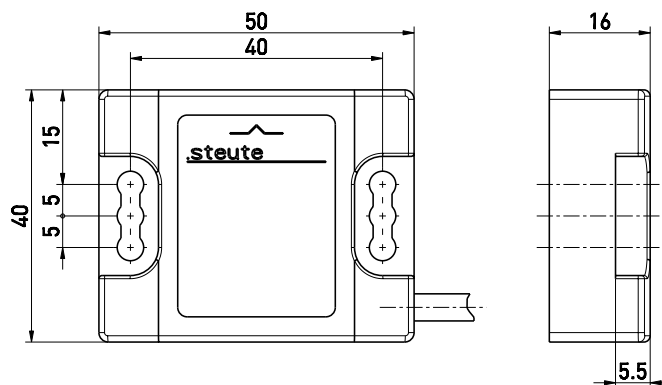


- Ex zone 1 and 21
- Thermoplastic enclosure
- Long life
- Reed contacts, coded
- Actuation from front
- Switching distance up to 6 mm
- Attention: Please state required international approvals with your order!

Notes

- The actuator is not included in the delivery of the switches

Dimensions



General technical data

Applied standards

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

Enclosure

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

Sensor type

type 4 interlocking device

Coding level

low coding

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

5 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}

> 23 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 2G Ex mb IIC T6/T5 Gb
II 2D Ex mb IIIC T80 °C/T95 °C Db
IECEx Ex mb IIC T6/T5 Gb
Ex mb IIIC T80 °C/ T95 °C Db

Approvals

PTB 08 ATEX 2027 X
IECEx PTB 08.0042 X



Weight

180 g



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

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