



Ex position switches

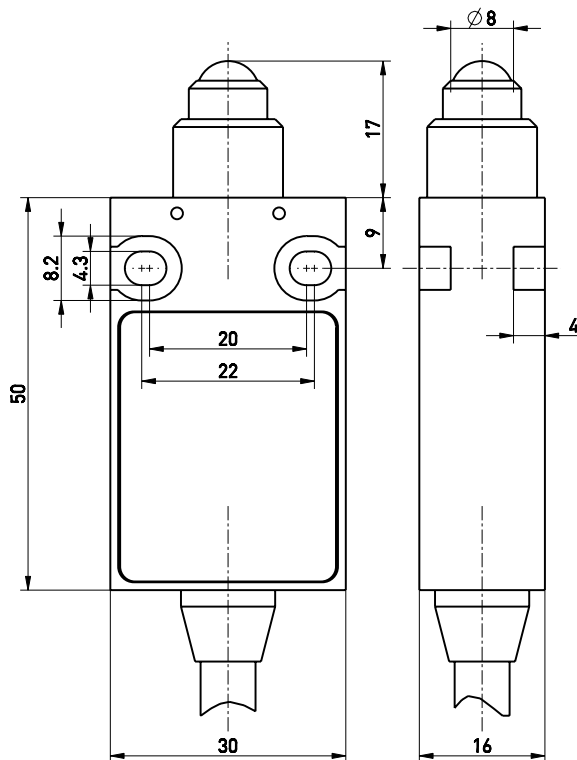
// Ex 14 KU 10/1S Order no.: 14003301

Features/Options

- Ex-zone 1 and 21
- Thermoplastic enclosure
- Double insulation
- Slow action \ominus , change-over contact with double break
- Mounting details to DIN EN 50 047
- Suitable for in-line mounting
- With pre-wired cable, cable length 1 metre

- Actuator: Ball plunger KU
- Actuating speed max. 0.5 m/s with an actuating angle of 20°
- Can be actuated in line with or from side of switch axis
- Actuator head with captive stainless steel ball actuator
- Exact repeatability of switching point
- N.B.: Please state required approvals for Russia, China and Brazil with your order!

Dimensions



Technical data

Standards

EN 60947-5-1; EN 1088;
EN 60079-0, EN 60079-1,
EN 60079-31; EN ISO 13849-1

Enclosure

glass-fibre reinforced,
shock-proof thermoplastic,
self-extinguishing UL 94-V0
IP 65 to IEC/EN 60529

Degree of protection

Contact material

silver

Switching system

slow action

Switching elements

change-over contact with double
break Zb, galvanically separated
contact bridges, positive break NC
contacts \ominus

Connection

cable H05VV-F, 4 x 0.75 mm²

B_{10d} (10% Load)

2 million

T_M

max. 20 years

U_{imp}

4 kV

U_i

250 V

I_{the}

T6: 6 A; T5: 3 A

I_e/U_e

6 A/250 VAC, 0.25 A/230 VDC

Utilisation category

AC-15, DC-13

Max. fuse rating

6 A gL/gG D-fuse

Ambient temperature

T6: -20 °C ... +65 °C,
T5: -20 °C ... +95 °C

Mechanical life

> 1 million operations

Switching frequency

1800/h

Repeat accuracy

±0.1 mm

Contact gap

max. 2 x 4 mm

Note

Switch must be protected from
mechanical damage!

Ex marking

II 2G Ex d IIC T6/T5 Gb,

II 2D Ex tb IIIC

T80°C/T90°C Db IP65

IECEX Ex d IIC T6/T5 Gb,

Ex tb IIIC T80°C/T90°C Db IP65

Approvals

PTB 03 ATEX 1070 X

IECEX PTB 06.0098X



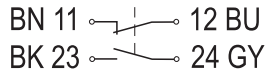
Errors and omissions excepted.



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Contact diagram



Switching diagram

