



Ex position switches

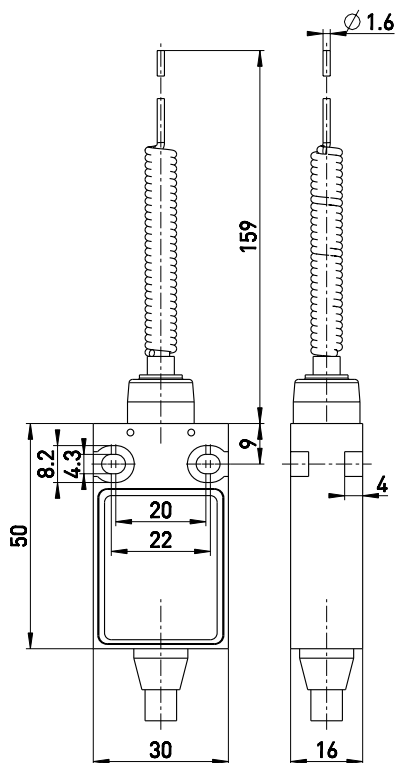
// ExM 14 TL Order no.: 14732301

Features/Options

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

- Actuator: Long spring rod TL
- Spring rod can be actuated from any direction
- Spring rod can be shortened 30 mm in actuating area
- Exact linear actuation not necessary
- Elasticity of the spring allows for deflection above the max. switching angle of 18°
- N.B.: Please state required approvals for Russia and China with your order!

Dimensions



Technical data

| | |
|--------------------------------|---|
| Standards | EN 60947-5-1; EN 1088; EN 60079-0, EN 60079-1, EN 60079-31 |
| Enclosure | glass-fibre reinforced, shock-proof thermoplastic, self-extinguishing UL 94-V0 |
| Degree of protection | IP 65 to IEC/EN 60529 |
| Contact material | silver |
| Switching system | snap action |
| Switching elements | change-over contact with single break C |
| Connection | cable H05VV-F, 3 x 0.75 mm ² |
| U _{imp} | 4 kV |
| U _i | 250 V |
| I _{the} | T6: 5 A; T5: 3 A |
| I _e /U _e | 5 A/250 VAC, 0.16 A/230 VDC |
| Utilisation category | AC-15, DC-13 |
| Max. fuse rating | 5 A gL/gG D-fuse |
| Ambient temperature | T6: -20 °C ... +60 °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 1069 X |



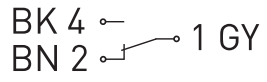
Errors and omissions excepted.



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Contact diagram



Switching diagram

