



## Ex position switch

ExM 14 FR - 5m

Material number: 1178551 (Material number old: 14751303)

### Features/Options:

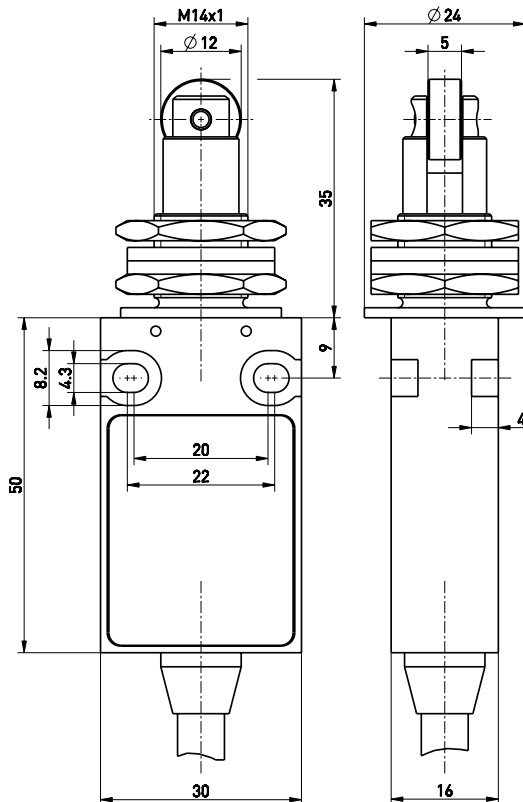
- Ex zone 1 and 21
- Thermoplastic enclosure
- Double insulated 
- Mounting details to EN 50047
- With pre-wired cable
- Actuator: Roller plunger for front mounting FR

- Actuating speed max. 0.5 m/s with a vertical actuating angle of 25°
- Metal roller
- Attention: Please state required international approvals with your order!

### Notes

- Actuator can be repositioned by 90° on request

### Dimensions



### Technical data

|                                           |                                                                                       |
|-------------------------------------------|---------------------------------------------------------------------------------------|
| Applied standards                         | EN 60947-5-1, EN 60079-0, EN 60079-1, EN 60079-31                                     |
| Enclosure                                 | thermoplastic, glass-fibre reinforced, impact resistant, self-extinguishing UL 94 V-0 |
| Degree of protection                      | IP 65 to IEC/EN 60529                                                                 |
| Contact material                          | silver                                                                                |
| Switching system                          | snap action                                                                           |
| Switching elements                        | 1 change-over contact with single break, type C                                       |
| Connection                                | pre-wired cable H05VV-F                                                               |
| Cable cross-section                       | 3 x 0.75 mm <sup>2</sup> (incl. conductor ferrules)                                   |
| Cable length                              | 5 m                                                                                   |
| Rated impulse withstand voltage $U_{imp}$ | 4 kV                                                                                  |
| Rated insulation voltage $U_i$            | 250 V                                                                                 |
| Conventional thermal current $I_{the}$    | 5 A                                                                                   |
| Rated operating current/voltage $I_e/U_e$ | 5 A/250 VAC; 0.16 A/230 VDC                                                           |
| Utilisation category                      | AC-15; DC-13                                                                          |
| Short-circuit protection                  | 5 A gG/gN fuse                                                                        |
| Ambient temperature                       | -20 °C ... +60 °C                                                                     |
| Mechanical life                           | > 1 million operations                                                                |
| Operation cycles                          | max. 1800/h                                                                           |
| Repeat accuracy of switching points       | $\pm 0.1$ mm                                                                          |

Errors and omissions excepted.



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Contact opening max. 2 x 4 mm

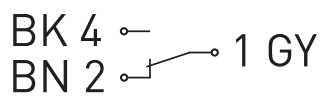
Ex marking  II 2G Ex d IIC T6 Gb,  
 II 2D Ex tb IIIC T80 °C Db  
IP65

Approvals PTB 03 ATEX 1069 X



Weight 425 g

## Contact diagram



## Switching diagram

