



## Ex position switch

ExM 14 VR 1Ö/1S - 2m

Material number: 1189208 (Material number old: 14163304)

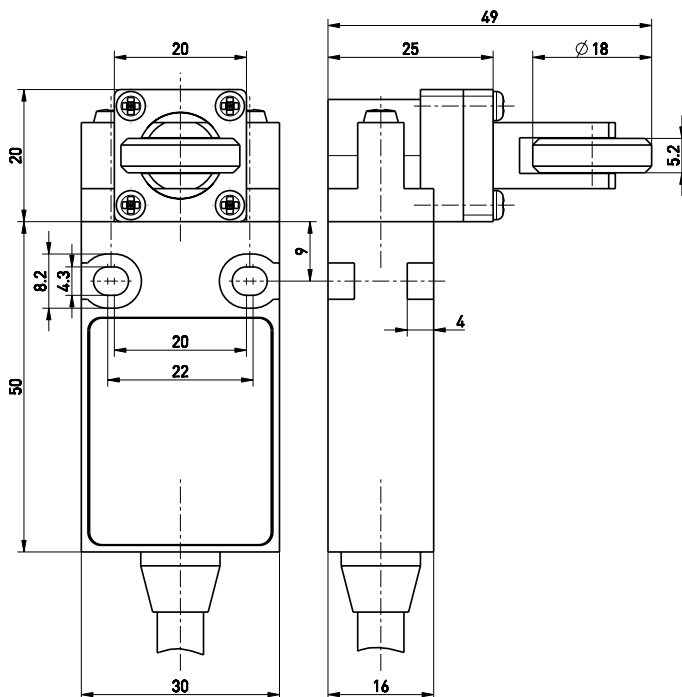
### Features/Options:

- Ex zone 1 and 21
- Thermoplastic enclosure
- Double insulated 
- Mounting details to EN 50047
- Suitable for in-line mounting

### 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 NC/1 NO contact, type Za                                                            |
| Connection                                | pre-wired cable H05VV-F                                                               |
| Cable cross-section                       | 4 x 0.75 mm <sup>2</sup> (incl. conductor ferrules)                                   |
| Cable length                              | 2 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; 0.2 A/230 VDC                                                            |
| Utilisation category                      | AC-1; DC-1                                                                            |
| 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       | ± 0.1 mm                                                                              |
| Contact opening                           | max. 2 x 4 mm                                                                         |

Errors and omissions excepted.



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|            |                                                                                                       |
|------------|-------------------------------------------------------------------------------------------------------|
| Ex marking | II 2G Ex db IIC T6 Gb,<br>II 2D Ex tb IIIC T80 °C Db<br>IECEEx Ex d IIC T6 Gb<br>Ex tb IIIC T80 °C Db |
|------------|-------------------------------------------------------------------------------------------------------|

|           |                                           |
|-----------|-------------------------------------------|
| Approvals | PTB 00 ATEX 1006 X<br>IECEEx PTB 13.0019X |
|-----------|-------------------------------------------|



|        |       |
|--------|-------|
| Weight | 220 g |
|--------|-------|

## Contact diagram

