



Ex position switch

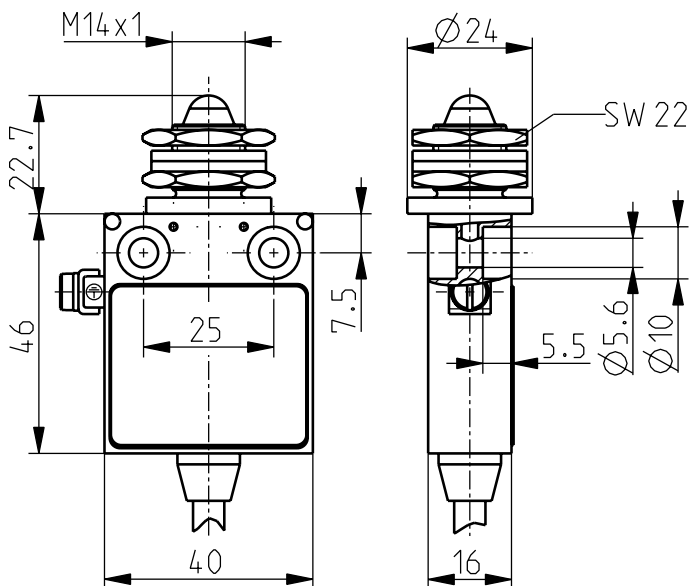
Ex 12 FKU - 2m

Material number: 1189073 (Material number old: 12749306)

Features/Options:

- Ex zone 1 and 21
- Metal enclosure, hard-coated
- Snap action, change-over contact with single break
- With pre-wired cable
- Actuator: Ball plunger for front mounting FKU
- Actuating speed max. 0.5 m/s with a vertical actuating angle of 20°
- Vertical actuation or actuation from side possible
- Actuator with captive stainless steel ball
- Ball diameter 8 mm
- Exact repeatability of switching point
- Attention: Please state required international approvals with your order!

Dimensions



Technical data

Applied standards	EN 60079-0, EN 60079-1, EN 60079-31, EN 60947-5-1
Enclosure	aluminium die-cast, hard-coated
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	4 x 0.75 mm ² (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
Utilisation category	AC-15; DC-13
Rated operating current/voltage I_e/U_e	5 A/250 VAC; 0.16 A/230 VDC
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
Impact energy	max. 7 J

Errors and omissions excepted.



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Ex marking

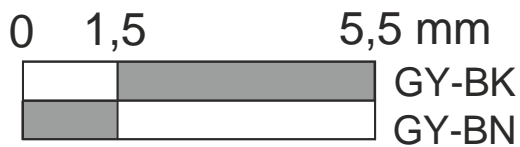
⊕ II 2G Ex db IIC T6 Gb
⊕ II 2D Ex tb IIIC T80 °C Db
IECEX Ex db IIC T6 Gb
Ex tb IIIC T80 °C Db

Approvals

PTB 03 ATEX 1067 X
IECEX PTB 11.0089X



Switching diagram



Contact diagram

