



Ex position switch with safety function

Ex 14 D 10/1S - 5m

Material number: 1175455 (Material number old: 14021304)

Features/Options

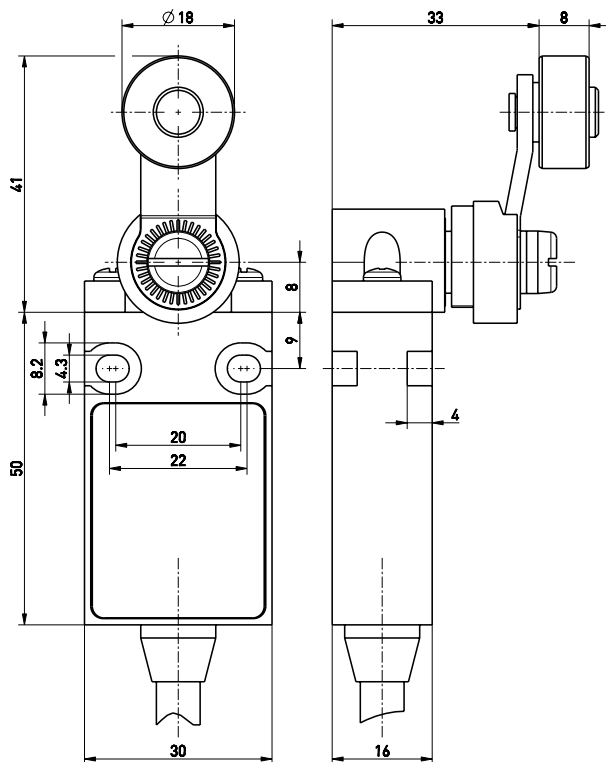
- Ex zone 1 and 21
- Thermoplastic enclosure
- Double insulated
- Mounting details to EN 50047
- Suitable for in-line mounting
- With pre-wired cable, cable length 5 m

- Actuator: Rocking lever D
- Actuating speed max. 0.5 m/s with a vertical actuating angle of 45°
- Wear-resistant plastic roller
- Lever can be repositioned in 10° steps clockwise or counter-clockwise
- Actuator can be repositioned by 180°
- N.B.: Please state required approvals for Russia, China, Brazil and North America with your order!

Note

- With metal roller available on request

Dimensions



Technical data

Standards	EN 60947-5-1; EN 60079-0, EN 60079-1, EN 60079-31; EN ISO 13849-1; EN ISO 14119
Enclosure	glass-fibre reinforced, shock-proof thermoplastic, self-extinguishing UL 94-V0 type 1
Switch type	type 1
Coding level	no coding
Degree of protection	IP 65 to IEC/EN 60529
Contact material	silver
Switching system	slow action, positive break NC contacts \ominus
Switching elements	1 NC/1 NO contact, type Zb cable H05VV-F, 4 x 0.75 mm ²
Connection	2 million
B_{10d} (10 % Load)	max. 20 years
T_M	4 kV
U_{imp}	250 V
U_i	T6: 6 A, T5: 3 A
I_{the}	6 A/250 VAC; 0.25 A/230 VDC
I_e/U_e	6 A gG/gN fuse
Utilisation category	T6: -20 °C ... +65 °C, T5: -20 °C ... +75 °C, +90 °C with max. 3 A
Max. fuse rating	> 1 million operations
Ambient temperature	1800/h
Mechanical life	Repeat accuracy of switching points ± 0.1 mm
Operation cycles	Contact opening max. 2 x 4 mm
Repeat accuracy of switching points	Impact energy max. 4 J
Contact opening	Ex marking
Impact energy	Ex II 2G Ex d IIC T6/T5 Gb,
Ex marking	Ex II 2D Ex tb IIIC T80 °C/T95 °C Db
Approvals	IECEX Ex d IIC T6/T5 Gb, Ex tb IIIC T80 °C/T95 °C Db
	PTB 03 ATEX 1070 X
	IECEX PTB 06.0098X



Errors and omissions excepted.

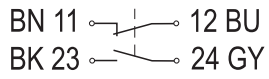


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Contact diagram



Switching diagram

