



Ex position switch Ex 14 DS 1Ö/1S - 5m / -40°C Material number: 1300760

Features/Options:

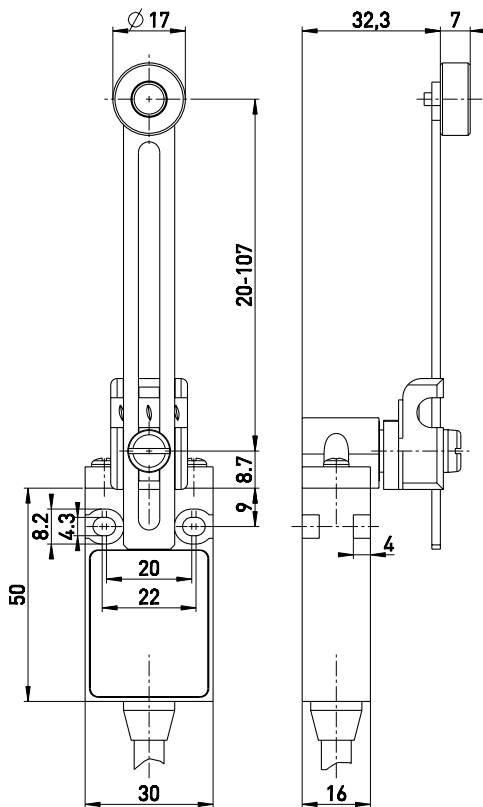
- Cold-resistant down to -40 °C
- Ex zone 1 and 21
- Thermoplastic enclosure
- Double insulated ☐
- Mounting details to EN 50047
- Suitable for in-line mounting
- With pre-wired cable
- Actuator: Adjustable rocking lever DS

Notes

- With metal roller available on request

- 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°
- Attention: Please state required international approvals with your order!

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	slow action
Switching elements	1 NC/1 NO contact, type Zb
Connection	cable BETAflam 145 flex
Cable cross-section	4 x 0.75 mm ² (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}	T6: 6 A, T5: 3 A
Rated operating current/voltage I _e /U _e	6 A/250 VAC; 0.25 A/230 VDC
Utilisation category	AC-15; DC-13
Short-circuit protection	6 A gG/gN fuse
Ambient temperature	T6: -40 °C ... +65 °C, T5: -40 °C ... +75 °C, +90 °C with max. 3 A
Mechanical life	> 1 million operations

Errors and omissions excepted.



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Operation cycles max. 1800/h

Repeat accuracy of switching points ± 0.1 mm

Contact opening max. 2 x 4 mm

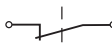
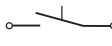
Ex marking
 II 2G Ex db IIC T6/T5 Gb,
 II 2D Ex tb IIIC
T80 °C/T95 °C Db
IECEX Ex db IIC T6/T5 Gb,
Ex tb IIIC T80 °C/T95 °C Db

Approvals
PTB 03 ATEX 1070 X
IECEX PTB 06.0098X



Weight 460 g

Contact diagram

BN 11  12 BU
BK 23  24 GY

Switching diagram

