



Ex position switch ExM 61 WHL - 3m

Material number: 1175509 (Material number old: 61716301)

Features/Options:

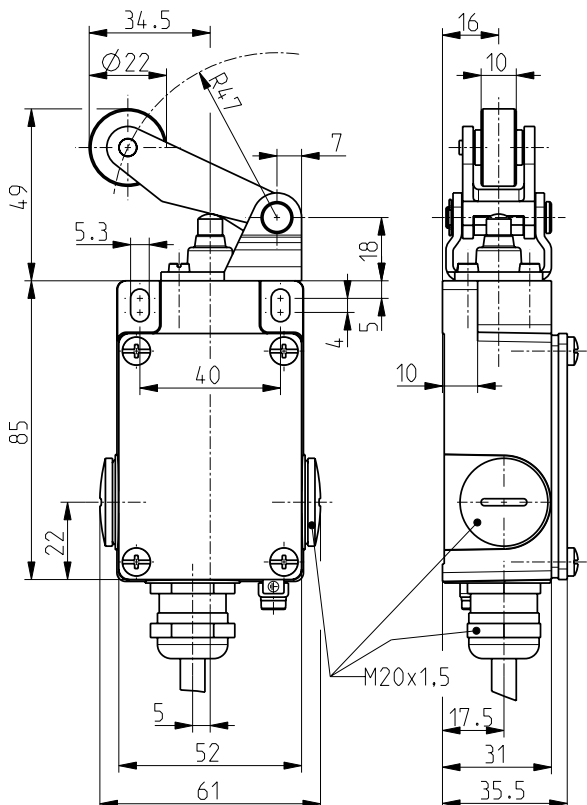
- Ex zone 1 and 21
- Metal enclosure
- With pre-wired cable
- Actuator: Long roller lever with collar WHL
- Actuating speed max. 0.5 m/s with a vertical actuating angle of 30°

Notes

- Actuation from the left should be avoided since this reduces the mechanical life of the position switch.
- Actuator can be repositioned by 4 x 90° on request
- With metal roller available on request

- Wear-resistant plastic roller
- Watertight collar for protection against penetration of dirt
- 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	aluminium die-cast, powder-coated
Cover	steel, powder-coated
Degree of protection	IP 65 to IEC/EN 60529
Switch insert	1 x ExM 14
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 ² (incl. conductor ferrules)
Cable length	3 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

Errors and omissions excepted.



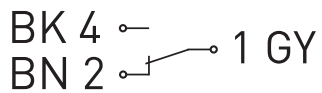
Ex position switch
ExM 61 WHL - 3m

Material number: 1175509 (Material number old: 61716301)

Technical data

Mechanical life	> 1 million operations
Operation cycles	max. 1800/h
Repeat accuracy of switching points	± 0.1 mm
Contact opening	max. 2 x 4.5 mm
Impact energy	max. 7 J
Ex marking	II 2G Ex d IIC T6 Gb, II 2D Ex tb IIIC T80 °C Db IP65
Approvals	PTB 03 ATEX 1069 X * ERC * referring to the switch insert

Contact diagram



Switching diagram

