



## Ex position switch ExM 61 WHK - 3m

Material number: 1174745 (Material number old: 61718301)

### Features/Options:

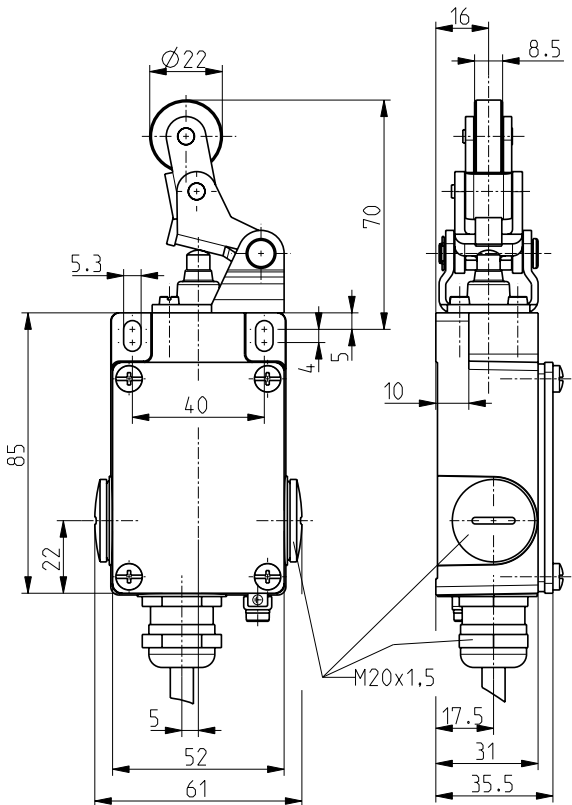
- Ex zone 1 and 21
- Metal enclosure
- With pre-wired cable
- Actuator: Offset roller lever with collar WHK
- Actuating speed max. 0.5 m/s with a vertical actuating angle of  $\alpha$  and  $\beta = 40^\circ$

- Actuation only possible from right-hand side
- Free movement of actuator from left-hand side
- Wear-resistant plastic roller
- Watertight collar for protection against penetration of dirt
- Attention: Please state required international approvals with your order!

### Notes

- Actuator can be repositioned by  $4 \times 90^\circ$  on request
- With metal roller available on request

### 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 <sup>2</sup> (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
Mechanical life	> 1 million operations

Errors and omissions excepted.



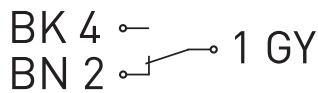
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### Technical data

Operation cycles	max. 1800/h
Repeat accuracy of switching points	$\pm 0.1$ 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 * <b>ERC</b> * referring to the switch insert
Weight	680 g

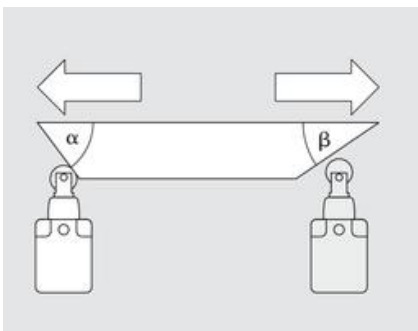
### Contact diagram



### Switching diagram



### Actuating angles



$\alpha$  - Actuating angle from right of switch axis  
 $\beta$  - Actuating angle from left of switch axis as shown in picture