



## Ex position switch

Ex 12 WPH - 5m

Material number: 1177755 (Material number old: 12720911)

### Features/Options:

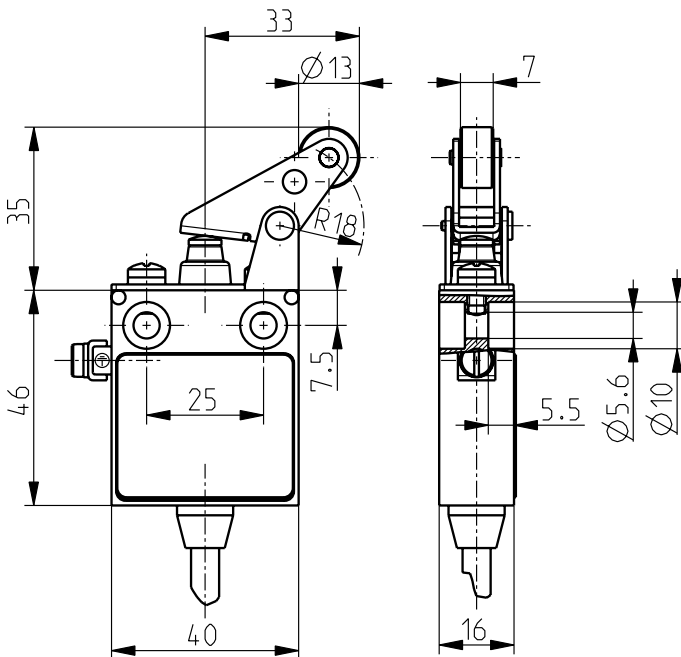
- Ex zone 1 and 21
- Metal enclosure, hard-coated
- Snap action, change-over contact with single break
- Suitable for in-line mounting
- With pre-wired cable
- Actuator: Parallel roller lever with collar WPH

- Actuating speed max. 0.5 m/s with an actuating angle of 30°
- Actuation parallel to switch from below
- Metal roller
- Watertight collar for protection against penetration of dirt
- Attention: Please state required international approvals with your order!

### Notes

- Actuator can be repositioned by 180° on request
- With plastic roller available on request

### 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 <sup>2</sup> (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 $I_{the}$	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

Errors and omissions excepted.



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### Technical data

Impact energy

max. 7 J

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

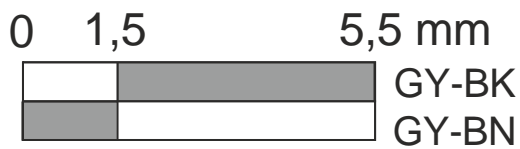
PTB 03 ATEX 1067 X  
IECEX PTB 11.0089X



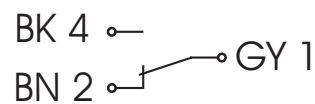
Weight

490 g

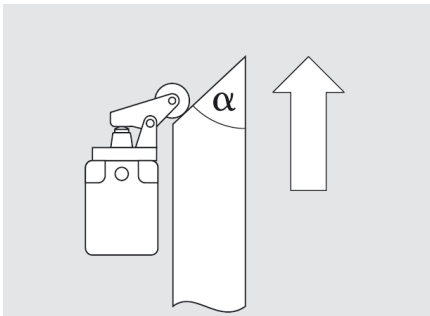
### Switching diagram



### Contact diagram



### Actuating angle



$\alpha$  - Actuating angle from bottom of switch axis as shown in picture

Errors and omissions excepted.