



Position switch with safety function

ES 41 WH 2Ö

Material number: 1046529 (Material number old: 41514001)

Features/Options

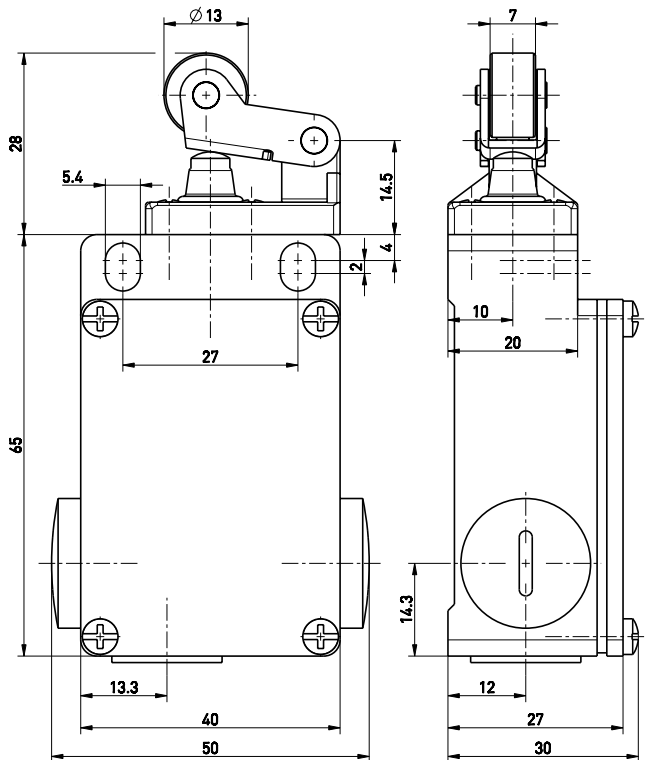
- Metal enclosure
- Slow action $\ominus$, 2 NC contacts with double break
- 3 cable entries M16 x 1.5
- Actuator: Roller lever with collar WH

Notes

- Actuation from the left should be avoided since this reduces the mechanical life of the position switch.
- With metal roller available on request
- When used as safety switch, secure the enclosure against slipping with appropriate means, e.g. pinning.

- Actuating speed max. 0.5 m/s with a vertical actuating angle of $\alpha = 40^\circ$ and $\beta = 25^\circ$
- Wear-resistant plastic roller
- Actuator can be repositioned by $4 \times 90^\circ$
- Watertight collar for protection against penetration of dirt

Dimensions



Technical data

Standards

EN ISO 13849-1; EN 60947-5-1; EN ISO 14119

Enclosure

aluminium die-cast, powder-coated

Switch type

Type 1

Coding level

low coding

Degree of protection

IP 65 to IEC/EN 60529

Contact material

silver

Switching system

slow action, positive break NC

contacts $\ominus$

Switching elements

2 NC contacts with double break Za

Connection

screw connection terminals max. 2.5 mm² (incl. conductor ferrules)

Cable entry

3 x M16 x 1.5

B_{10d} (10 % Load)

2 million

T_M

max. 20 years

U_{imp}

4 kV

U_i

400 V

I_{the}

6 A

Utilisation category

AC-15

I_e/U_e

6 A/400 VAC

Max. fuse rating

6 A gG/gN fuse

Mechanical life

> 1 million operations

Operation cycles

3600/h

Ambient temperature

-20 °C ... +80 °C

Repeat accuracy of switching points

± 0.1 mm

Approvals



Weight

160 g

Errors and omissions excepted.

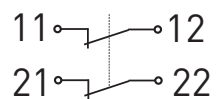


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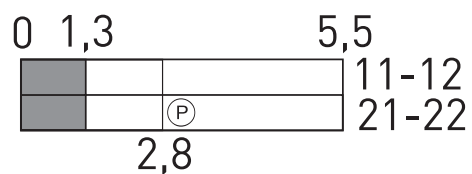
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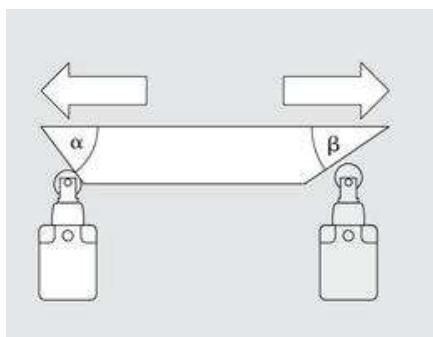
Contact diagram



Switching diagram



Actuating angles



α - Actuating angle from right of switch axis

β - Actuating angle from left of switch axis as shown in picture