



Position switch with safety function

EM 95 WH 1Ö/1S

Material number: 1050084 (Material number old: 95114001)

Features/Options:

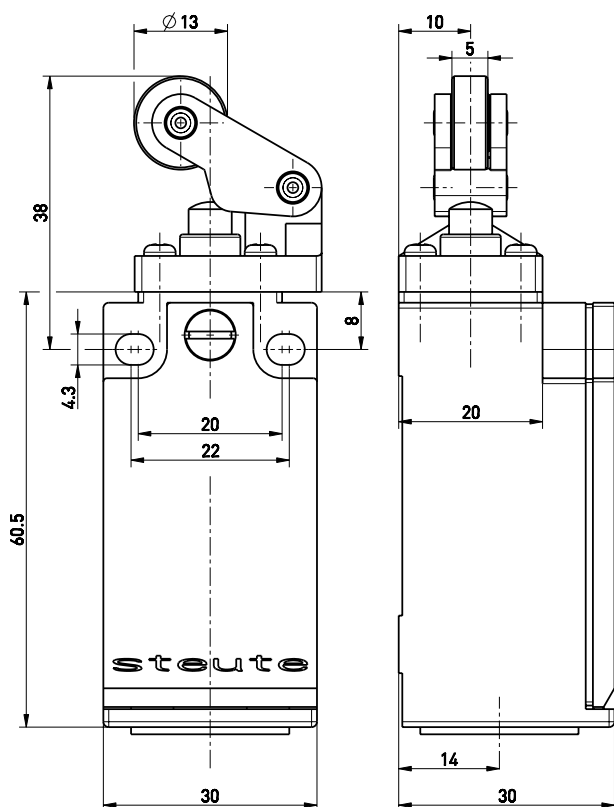
- Thermoplastic enclosure
- Design to EN 50047
- Horizontally slotted mounting holes
- Double insulated
- Snap action $\ominus$, change-over contact with double break
- Good resistance to oil and petroleum spirit
- Actuator: Roller lever with collar WH

- Actuating speed max. 0.5 m/s with a vertical actuating angle of $\alpha = 40^\circ$ and $\beta = 25^\circ$
- Actuator type E to EN 50047
- Watertight collar for protection against penetration of dirt
- Wear-resistant plastic roller
- Actuator can be repositioned by $4 \times 90^\circ$

Notes

- With metal roller available on request

Dimensions



Technical data

Applied standards	EN ISO 13849-1; EN 60947-5-1; EN ISO 14119
Enclosure	glass-fibre reinforced, shock-proof thermoplastic, self-extinguishing UL 94 V-0
Tightening torque	enclosure mounting screws: 1.2 ... 1.3 Nm cover screws: max. 0.7 Nm
Switch type	type 1
Coding level	no coding
Degree of protection	IP 67 to IEC/EN 60529
Contact material	silver
Switching system	snap action, positive break NC contacts $\ominus$
Switching elements	1 NC/1 NO contact, type Zb
Connection	screw connection terminals
Cable cross-section	max. 2.5 mm ² (incl. conductor ferrules)
Cable entry	1 x M20 x 1.5
B _{10d} (10 % load)	2 million
T _M	max. 20 years
Rated impulse withstand voltage U _{imp}	4 kV
Rated operating isolation voltage U _i	400 V
Conventional thermal current I _{the}	6 A
Utilisation category	AC-15; DC-13

Errors and omissions excepted.



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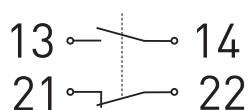
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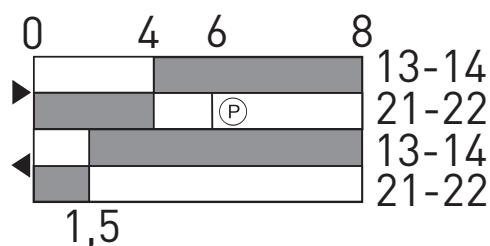
Technical data

Rated operating current/ voltage I_e/U_e	6 A/400 VAC; 0.25 A/230 VDC; 4 A/24 VDC
Short-circuit protection	6 A gG/gN fuse
Mechanical life	> 1 million operations
Operation cycles	max. 1800/h
Ambient temperature	-20 °C ... +80 °C
Contact opening	max. 2 x 3.5 mm
Approvals	   
Weight	55 g

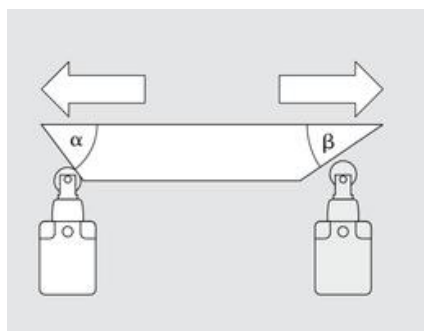
Contact diagram



Switching diagram



Actuating angles



α - Actuating angle from right of switch axis

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