

# Technical Data

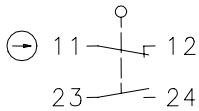
## Safety switch

### Series SK – with separate actuator

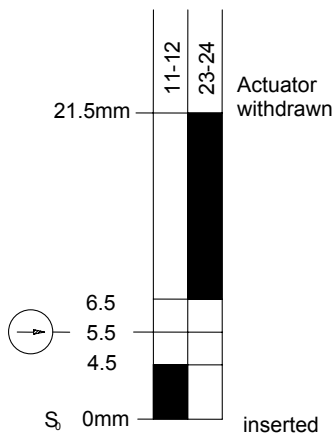
Description **SK-U1Z F30 M**

Article number **6116119109**

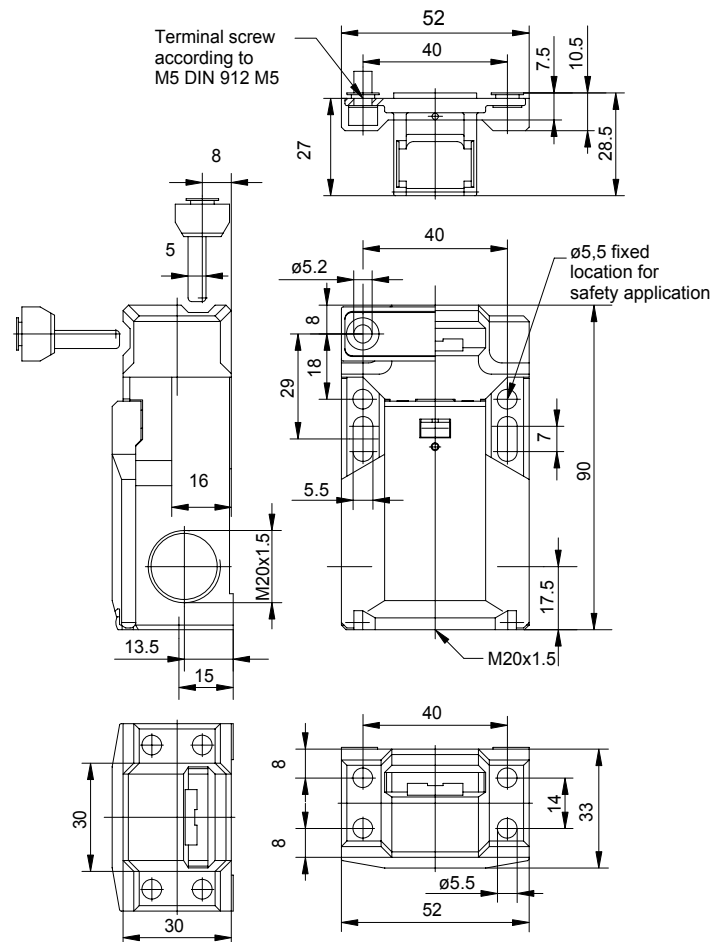
Operating symbol



Operating diagram



ON  
 OFF  
 Tolerances  
 Operating point:  $\pm 0,25\text{mm}$ ;  
 Actuating force:  $\pm 10\%$



### Electrical data

Rated insulation voltage	$U_i$	250V AC
Conv. thermal current	$I_{the}$	10A
Utilization category		AC-15, $U_e / I_e$ 240V/3A
Direct opening action		according to IEC/EN 60947-5-1, Annex K
Short-circuit protective device		Fuse 10A gL/gG
Protection class		II, totally insulated

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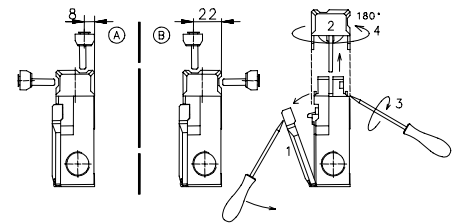
## Safety switch

### Mechanical data

Enclosure	Thermoplastic, glass fibre reinforced (UL94-V0)
Cover	Thermoplastic, glass fibre reinforced (UL94-V0)
Actuator	Separate actuator (G-metal)
Extraction force	30N
Ambient air temperature	-30°C ... +80°C
Contact type	1 NC, 1 NO (Zb)
Mechanical life	1 x 10 <sup>5</sup> switch operations
Switching frequency	≤ 30 / min.
Assembly Safety switch	2 x M5
Actuator	2 x M5
Connection	4 screw connections (M3,5)
Conductor cross-sections	Solid: 0,5 ... 1,5mm <sup>2</sup> Litz wire with ferrules: 0,5 ... 1,5mm <sup>2</sup>
Cable entrance	3 x M20x1,5
Weight	≈ 0,15kg
Installation position	Operator definable
Protection type	IP65 acc. to IEC/EN 60529

### Actuation

Turning the cap (pos A/B) allows 4 different directions of drive.  
Cover (1) has to be opened before turning the cap (2).  
Insert the screwdriver into the gap between housing and cap and turn until the cap snaps off.  
Remove the cap, turn it 180° (4), latch it into the housing and close the cover.



### Standards

VDE 0660 T100, DIN EN 60947-1, IEC 60947-1  
VDE 0660 T200, DIN EN 60947-5-1, IEC 60947-5-1

### EU Conformity

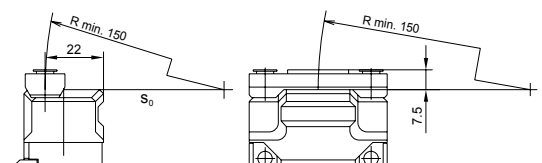


### Approvals

TÜV Rheinland Approved  
cCSA<sub>US</sub> A300 (same polarity)

### Notes

The degree of protection (IP code) specified applies solely to a properly closed cover and the use of an equivalent cable gland with adequate cable.  
The switch may not be used as a mechanical stop.  
Radial actuation may reduce the mechanical life.  
The min. radius refers to a pivot at the top of the cap (S<sub>0</sub>).  
Tapped holes not in use must be closed with blind plugs.



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