

# Safety switch

## Series SKI – with separate actuator

Description **SKI-U1Z M**

Article number **6016819089**

**Operating symbol**

Fixed positioning for safety applications.  
Mounting screw according to DIN 912 M5

**Operating diagram**

Actuator withdrawn

inserted

On Off

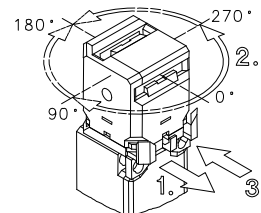
Tolerance:  
Operating Point  $\pm 0,25$  mm;  
Operating force  $\pm 10$  %

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

Mechanical data	
Enclosure	Thermoplastic, glass fibre reinforced (UL 94-V0)
Cover	Thermoplastic, glass fibre reinforced (UL 94-V0)
Actuator	Separate actuator (metal)
Extraction force	10 N
Ambient air temperature	-30° C ... +80° C
Contact type	1 NC, 1 NO (Zb)
Mechanical life	1 x 10 <sup>6</sup> operating cycles
Switching frequency	≤ 30 / min.
Assembly	Safety switch 2 x M4
	Actuator 2 x M5
Connection	4 screw connections (M3,5)
Conductor cross-sections	Solid: 0,5 ... 1,5 mm <sup>2</sup> or Litz wire with ferrules: 0,5 ... 1,5 mm <sup>2</sup>
Cable entrance	1 x M20 x 1,5
Weight	≈ 0,12 kg
Installation position	operator definable
Protection type	IP65 acc. to IEC/EN 60529

ID for safety engineering	
B10d	2 x 10 <sup>6</sup> switching cycles

Actuation	
To achieve the 8 different actuator points please follow the next instructions	
(1)	pull fixing clamp
(2)	turn actuator
(3)	push fixing clamp



Standards	
	VDE 0660 T100, DIN EN 60947-1, IEC 60947-1
	VDE 0660 T200, DIN EN 60947-5-1, IEC 60947-5-1
	DIN EN ISO 13849-1

EU Conformity	
	acc. to directive 2006/42/EC

Approvals	
	TÜV Rheinland, Product Safety
	cCSA <sub>US</sub> A300 (same polarity)
	CCC

**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 (S0).

Tapped holes not in use must be closed with blind plugs.

