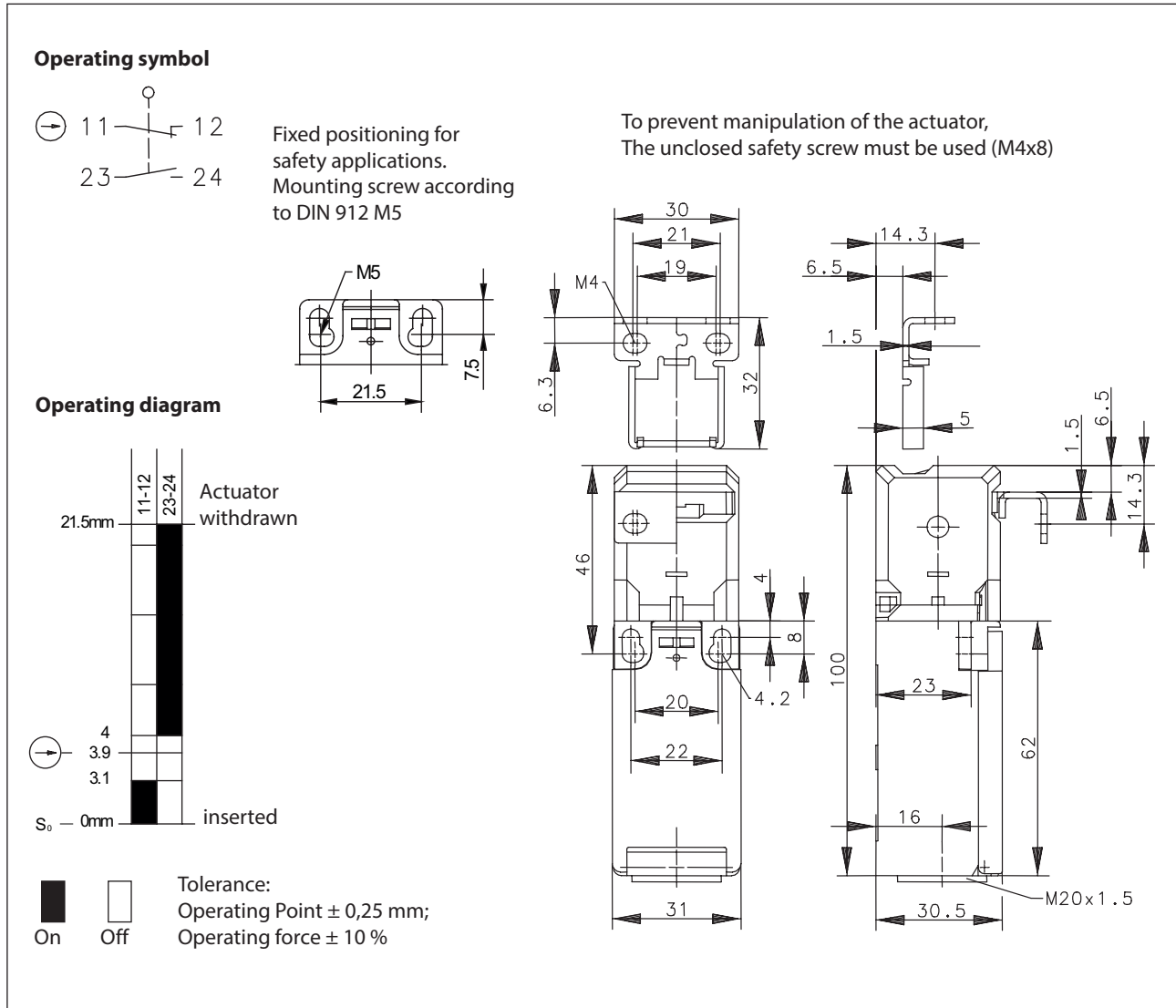


## Safety switch

### Series SKI – with separate actuator

Description **SKI-U1Z FI50 M3**

Article number **6016819139**

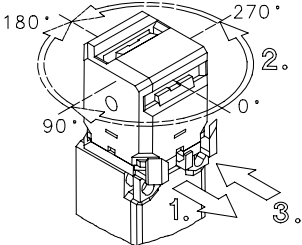


#### Electrical Data

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 DC-13, $U_e/I_e$ 24 V / 4 A
Direct opening action	$\ominus$	acc. to IEC/EN 60947-5-1, annex K
Short-circuit protective device		Fuse 10 A gG
Protection class		II, totally insulated
Electrical life (90%)		$8,0 \times 10^5$ switching cycles (at DC-13; 24V; $I_{e2} = 1.0A$ at frequency 60/min)

Mechanical data	
Enclosure	Thermoplastic, glass fibre reinforced (UL 94-V0)
Cover	Thermoplastic, glass fibre reinforced (UL 94-V0)
Actuator	Separate actuator (metal)
Extraction force	50 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
Increased operating force	1 x 10 <sup>5</sup> operating cycles
Switching frequency	≤ 30 / min.
Assembly	Safety switch
	Actuator
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

Characteristics for functional safety	
B10 <sub>d</sub> - NC contact	2 x 10 <sup>6</sup> switching cycles (at DC-13; 24 V; I <sub>e2</sub> = 0,1 A)
B10 <sub>d</sub> - NC contact	1,9 x 10 <sup>6</sup> switching cycles (at DC-13; 24 V; I <sub>e2</sub> = 1,0 A at frequency 60/min)
B10 <sub>d</sub> - NO contact	0,5 x 10 <sup>6</sup> switching cycles (at DC-13; 24 V; I <sub>e2</sub> = 0,1 A)

Actuation	
To achieve the 8 different actuator points please follow the next instructions	
<ol style="list-style-type: none"> <li>(1) pull fixing clamp</li> <li>(2) turn actuator</li> <li>(3) push fixing clamp</li> </ol>	

Standards	
	DIN EN 60947-5-1
	DIN EN ISO 13849-1
	DIN EN ISO 14119-1

EU Conformity	
	acc. to directive 2006/42/EC (Machinery Directive)

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.

