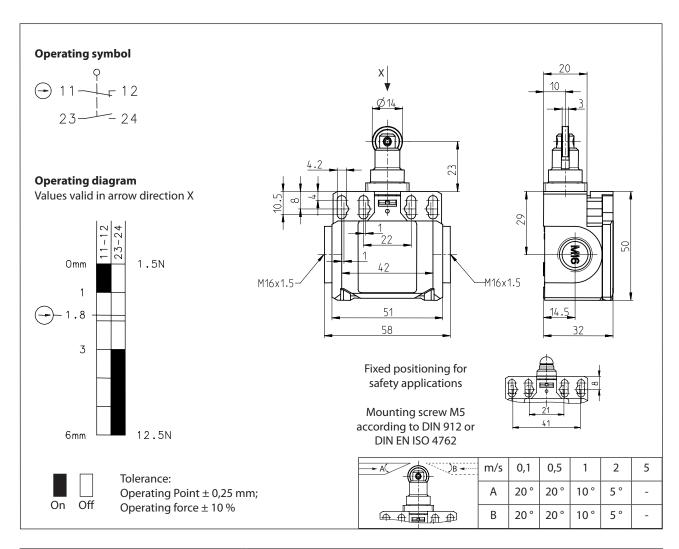


## **Plastic bodied limit switch**

Series BI2

Description BI2-U1Z RIW

Article number 6085117101



Electrical Data		
Rated insulation voltage	U <sub>i</sub>	400 V <sub>AC</sub>
Conv. thermal current	$I_{\mathrm{the}}$	10 A
Rated operational voltage	$U_e$	240 V <sub>AC</sub>
Utilization category		AC-15, U <sub>e</sub> /I <sub>e</sub> 240 V / 3 A DC-13, U <sub>e</sub> /I <sub>e</sub> 24 V / 4A
Direct opening action	$\odot$	acc. to IEC/EN 60947-5-1, annex K
Short-circuit protective device		Fuse 10 A gG
Protection class		II, totally insulated

## **Technical Data**



Mechanical data		
Enclosure	Thermoplastic, glass fibre reinforced	
Cover	Thermoplastic, glass fibre reinforced	
Actuator	Roller (Thermoplastic)	
Ambient air temperature	-30° C +80° C	
Contact type	1 NC, 1 NO (Zb)	
Mechanical life	10 x 10 <sup>6</sup> operating cycles	
Switching frequency	≤ 100 / min.	
Assembly	2 x M4 / 2 x M5 / 2 x M3 front mounting	
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	2 x M16 x 1,5	
Weight	≈ 0,08 kg	
Installation position	operator definable	
Protection type	IP65 acc. to IEC/EN 60529	

ID for safety engineering (electrical and mechanical)		
B10d Opening error (NC)	20 x 10 <sup>6</sup> cycles (@ DC-13; 24VDC; 0,1A)	
B10d Closing error (NO)	1 x 10 <sup>6</sup> cycles (@ DC-13; 24VDC, 0,1A)	

## Actuation

The actuating device is preferably started from 2 sides.

By loosening the 4 screws the actuation assembly can be rotated in 90 degree increments such that 4 actuation directions are possible.

The actuation assembly is to be again fastened to the housing using the 4 screws.

Observe the angle of the actuating cam with max. actuating speed.

Standards	
	DIN EN 60947-5-1

EU Conformity		
	acc. to directive 2014/35/EU (Low-Voltage-Directive)	

Approvals	
<sub>c</sub> CSA <sub>US</sub> A300, Q300	

## Notes

The degree of protection (IP code) specified applies solely to a property closed cover and the use of an equivalent cable gland with adequate cable.