

Technical Data

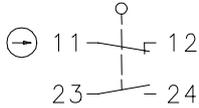
Plastic bodied limit switch

Series BI

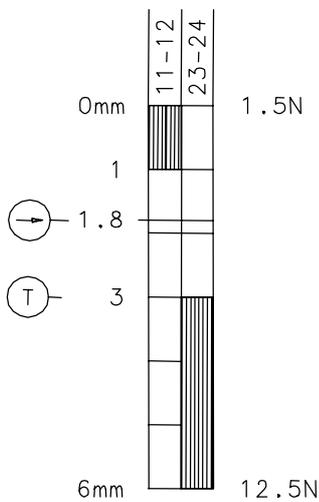
Description **BI-U1Z RIW**

Article number **6085117002**

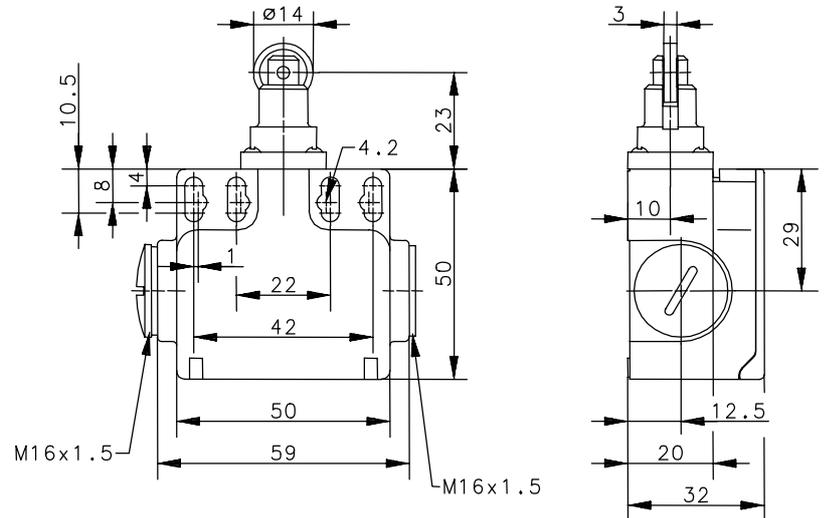
Operating symbol



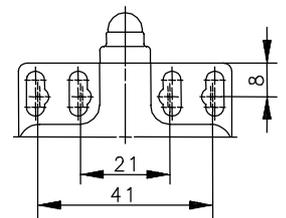
Operating diagram



  Tolerance:
 On Off Operating point $\pm 0,25\text{mm}$;
 Operating torque $\pm 10\%$



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



Electrical data

Rated insulation voltage	U_i	400V AC
Conv. thermal current	I_{the}	10A
Rated operational voltage	U_e	240V
Utilization category		AC-15, U_e/I_e 240V/3A
Positive opening NC contact	\ominus	IEC/EN 60947-5-1
Gap between NC contacts	T	DIN EN 81
Short-circuit protective device		Fuse 10A gL/gG IEC/EN 60947-5-1, Annex K
Protection class		II, totally insulated

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Technical Data

Plastic bodied limit switch

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 ⁶ switching cycles
Switching frequency	≤ 100/min
Assembly	2 x M4
Connection	4 screw connections (M3,5)
Conductor cross-sections	Solid: 0.5 ... 1.5mm ² Litz wire with ferrules: 0.5 ... 1.5mm ²
Cable entrance	1 x M16x1,5
Weight	≈ 0,08kg
Installation position	Operator definable
Protection type	IP65 acc. to EN 60529; DIN VDE 0470 T1

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.

Standards	VDE 0660 T100, DIN EN 60947-1, IEC 60947-1 VDE 0660 T200, DIN EN 60947-5-1, IEC 60947-5-1
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EU Conformity	CE
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Approvals

CSA	A300 (same polarity)
UL	A300 (same polarity)

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.