

Technical Data

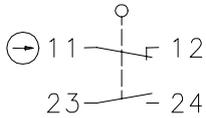
Plastic bodied limit switch

Series BI2

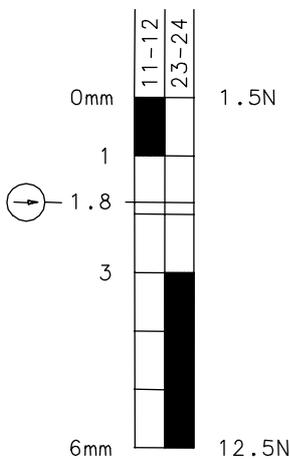
Description **BI2-U1Z RIW**

Article number **6085117101**

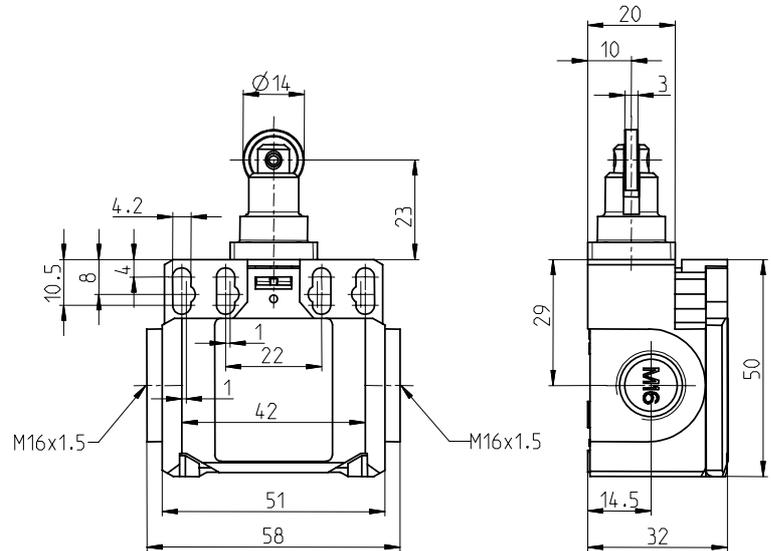
Operating symbol



Operating diagram

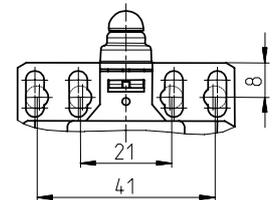


 On
 Off
 Tolerance:
 Operating point $\pm 0,25\text{mm}$;
 Actuating force $\pm 10\%$



Fixed positioning for safety applications

Mounting screw M5 according to DIN 912 or DIN EN ISO 4762



Electrical data

Rated insulation voltage	U_i	400V AC
Conv. thermal current	I_{the}	10A
Rated operational voltage	U_e	240V AC
Utilization category		AC-15, U_e/I_e 240V/3A
Direct opening action	\ominus	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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 Document : 6085117101_en / Last update : 1 / 3003-05

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 / 2 x M5 / 2 x M3 front mounting
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	2 x M16x1,5
Weight	≈ 0,08 kg
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

EU Conformity



Approvals

cCSA_{US} 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.