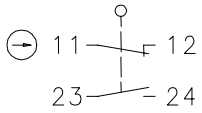
Technical Data
Plastic bodied limit switch

BERNSTEIN safe solutions

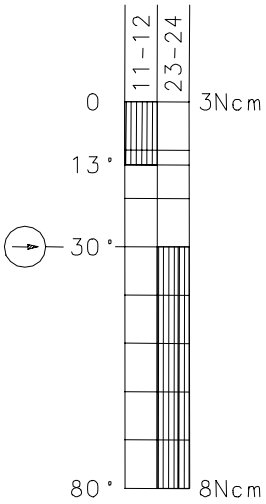
Series BI

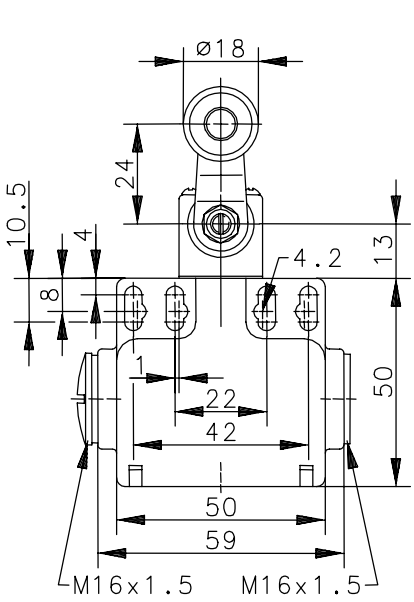
Description **BI-U1Z AH** Article number **6185135074**

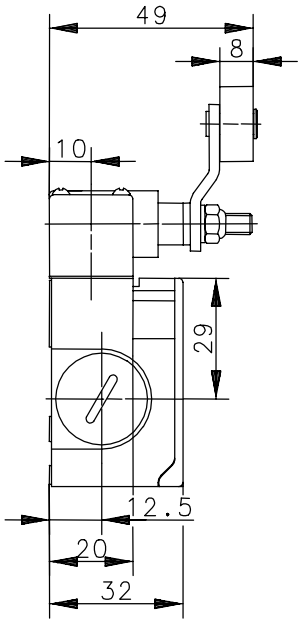
Operating symbol



Operating diagram



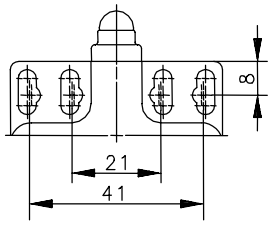




On Off Tolerance:
Operating point ± 0,25mm;
Operating torque ± 10%

Fixed positioning for safety applications

Mounting screw according to DIN 912 M5



Electrical data		
Max. voltage		500V AC
Max. enduring current	I_{th}	10A
Rated operational voltage	U_e	240V
Utilization category		A300, AC-15, U_e / I_e 240V/3A
Positive opening NC contact	⊖	IEC/EN 60947-5-1
Short-circuit protective device		Fuse 10A gL/gG
		IEC/EN 60947-5-1, Annex K
Protection class		II, totally insulated

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Mechanical data	
Enclosure	Thermoplastic, glass fibre reinforced
Cover	Thermoplastic, glass fibre reinforced
Actuator	Lever arm housing, 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 ... 1.5mm²
	Litz wire with ferrules: 0.5 ... 1.5mm²
Cable entrance	2 x M16x1,5
Weight	≈ 0,12kg
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 8 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	CE
Approvals	
	CSA
	UL

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.

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