BERNSTEIN

Plastic bodied limit switch
Series BI2
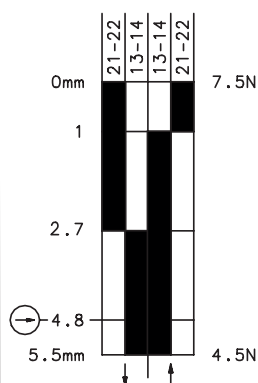
Description **BI2-SU1Z W**	Article number **6185153011**

Operating symbol

13 — 14
21 — 22
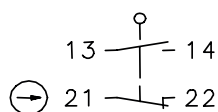
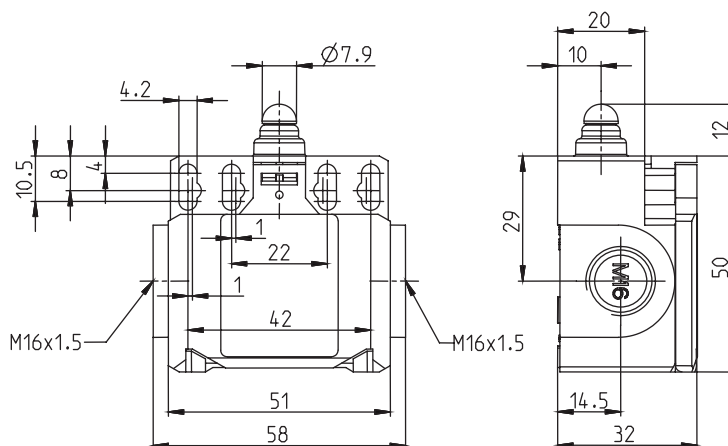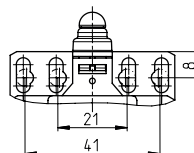**Operating diagram**

Tolerance:
Operating Point ± 0,25 mm;
Operating force ± 10 %

On   Off

Fixed positioning with
e.g. fixing screw M5
according to the standard
DIN EN ISO 4762.

Electrical Data		
Rated insulation voltage	U_i	400 V_{AC}
Conv. thermal current	I_{the}	10 A
Rated operational voltage	U_e	240 V_{AC}
acc. to $_cCSA_{US}$	U_e	300 V_{AC}
Utilization category		AC-15 U_e / I_e 240 V / 3 A DC-13 U_e / I_e 24 V / 3 A
Direct opening action	⊖	acc. to IEC/EN 60947-5-1, annex K
Short-circuit protective device		Fuse 2 A gG
Protection class		II (totally insulated)

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Mechanical data	
Enclosure	Thermoplastic, glass fibre reinforced (UL 94-V0)
Cover	Thermoplastic, glass fibre reinforced (UL 94-V0)
Actuator	plunger (Thermoplastic)
Ambient air temperature	-30 °C ... +80 °C
Contact type	1 NC, 1 NO (Zb)
Mechanical life	10 x 10^6 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 mm² Litz wire with ferrules: 0,5 ... 1,5 mm²
Cable entrance	2 x M16 x 1,5
Weight	≈ 0,08 kg
Installation position	operator definable
Protection type	IP65 acc. to IEC/EN 60529; DIN VDE 0470 T1

ID for safety engineering	
B10d	20 x 10^6 cycles

Actuation
The push bolt actuator is mainly intended to be actuated along its axis.   Side actuation will considerably reduce switch life.

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

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

Approvals
$_c$CSA$_{us}$ A300, Q300
CCC

Notes
The degree of protection specified (IP code) applies only to a properly closed protective guard and the use of an equivalent cable gland with adequate cable.   Packaging unit 50 pieces.

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Technical modifications and errors excepted.
The technical datasheet corresponds to the technical state as of 2024-11-12 and will not be removed in case of changes.

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