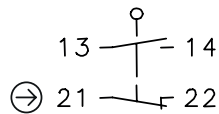


Plastic bodied limit switch Series BI2

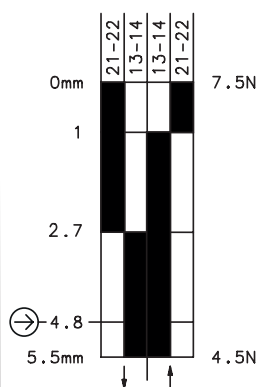
Description **BI2-SU1ZW**

Article number **6185153130**

Operating symbol

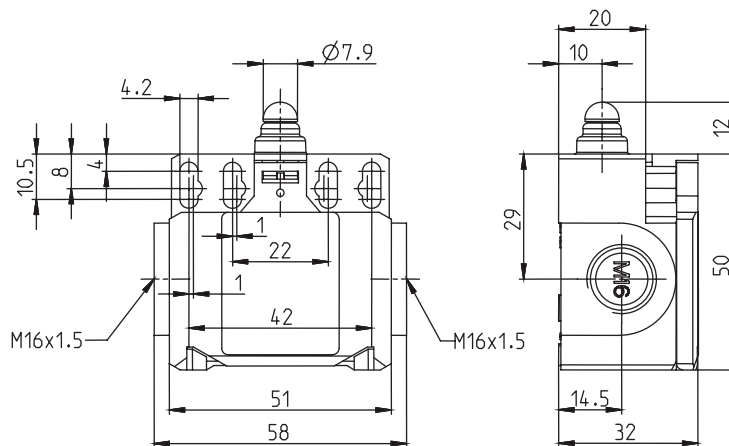


Operating diagram

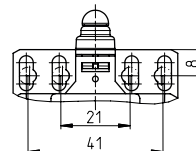


 On
 Off

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



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 $c_{CSA_{US}}$	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)

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	0,5 – 1,5 mm ² (solid or stranded wire with ferrules)
Cable entrance	2 x M16 x 1,5
Weight	≈ 0,09 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	
	cCSA _{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. Item is supplied with pre-assembled mounting accessories. This includes: • 2 x cylinder head screw M4 x 35 mm / DIN 912 / ISO 4762 - stainless steel • 2 x disc ø 4,3 x 12 x 1 / DIN EN ISO 7093 - A2 • 2 x Scheibe ø 4,3 x 9 x 0,8 / DIN 125 A2 • 2 x hexagon nut M4 / DIN 934 - stainless steel	