Bernstein
Bernstein AG
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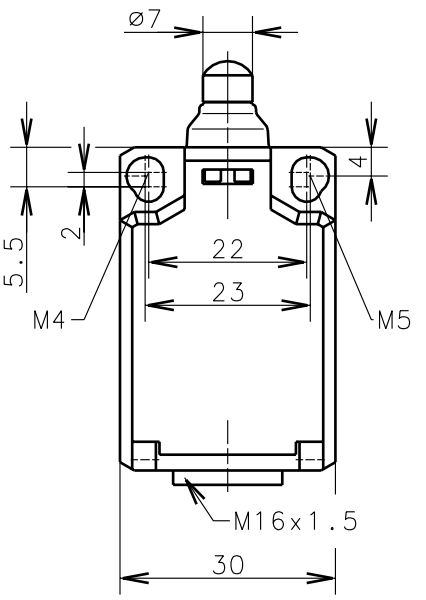
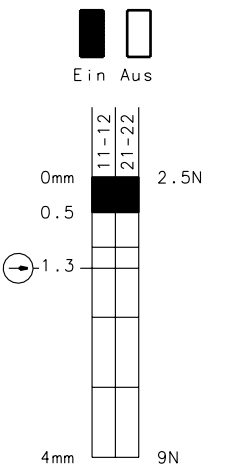
Technical data sheet

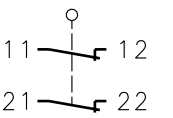
Ti2-A2Z w | 608.8803.003



Positive opening operation according to DIN EN 60947-5-1
IEC 60947-5-1



Switching diagram



Switching symbol

Tolerance: operating point ±0.25mm; actuating force ±10%

Mechanical features	
Enclosure:	PBT, glass fibre reinforced
Cover:	PA6.6, black
Actuator:	push bolt
Ambient air temperature:	-30°C up to +80°C
Contact type:	2 NC-contacts (Zb)
Mechanical life:	$3x10^6$ switch operations
Switch frequency:	max. 100/min
Mounting:	2xM4 or 2xM5 fixed positioning for safety applications
Connection type:	4 screw connections (M3.5)
Conductor cross-section:	single core 0.5-1.5mm² / litz wire with connector sleeve 0.5-1.5mm²
Cable entry size:	1 x M16x1.5
Weight:	approx. 0,04kg
Electrical features	
Rated insulation voltage:	U_i= 250 V AC
Conventional thermal current:	I_{the}= 10A
Max. inrush current:	according to IEC 60947-5-1
Utilization categorie:	AC 15,A300 240V/3A, 120V/6A / DC 13,Q300 250V/0.27A, 125V/0.55A
Standards:	according to EN 60947-1; EN 60947-5-1
Protection class (IP-Code):	IP65 according to EN 60529; DIN VDE 0470 T1
CSA/UL:	10A 300V, A300
Short circuit protection:	Fuse 6A gL/gG, IEC/EN 60947-5-1, appendix K

Approach possibilities
The push bolt actuator is mainly intended to be actuated along it's axis. Side actuation will considerably reduce switch life.

Remarks
The moving parts should be oiled periodically.
The rated protection class (IP-Code) is valid only at closed cover and when using an at least equivalent cable gland.

16.01.02