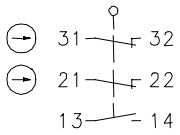
Technical Data
Safety switch

BERNSTEIN safe solutions

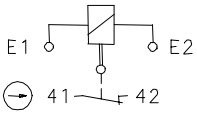
Series SLK – with separate actuator

Description **SLK-FVTU24UC-71-ARX** Article number **6118169051**

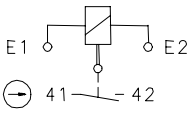
Position monitoring of guard locking



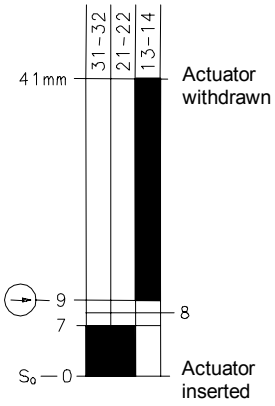
Termination electromagnet with contact position
E1, E2 without current



E1, E2 with current

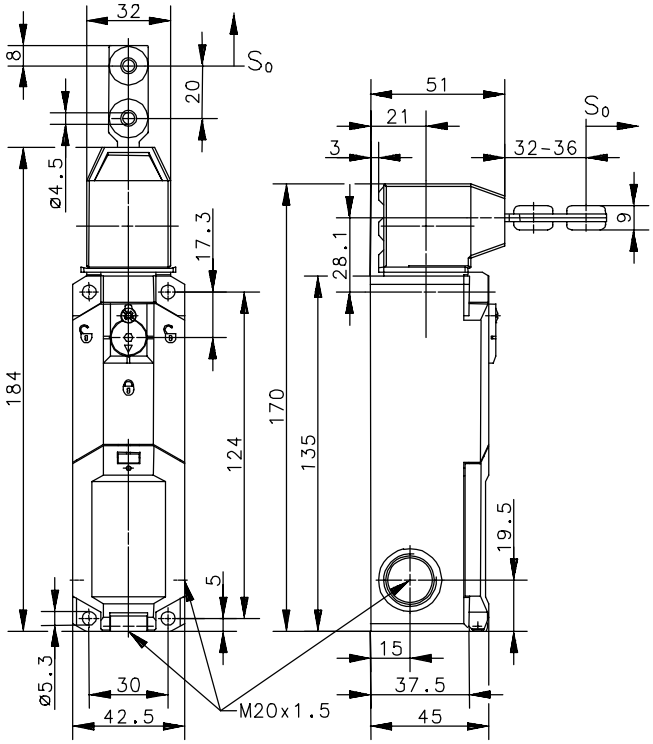


Operating diagram



ON OFF

Tolerances
Actuating force: ± 15%



Electrical data		
Protection class		II, totally insulated
Contact elements		
Rated insulation voltage	U_i	250V
Conv. thermal current	I_{the}	2,5A
Utilization category		AC-15, U_e / I_e 230V/2,5A
Direct opening action	⊖	according to IEC/EN 60947-5-1, Annex K
Short-circuit protective device		4A gL
Electro magnets		
Duty cycle		100% ED (at E1; E2)
Temperature class		B (130°C)
Inrush power consumption		56VA (0,2s)
Permanent power consumption		1,1VA
Switch operations permanent		600/h
Operating voltage		24V AC/DC

Mechanical data		
Enclosure		Thermoplastic GV (UL94-V0)
Cover		Thermoplastic GV (UL94-V0)
Actuating head		Thermoplastic GV / Zn-GD
Actuator		Separate actuator with dust protector (St / PA)
Minimum actuating radius	R_{min}	400mm
Velocity for actuating	V_{max}	$0{,}5^{m}/_{s}$
Extraction force		≥ 27N
Interlocking principle		Spring force
Unlocking		a) magnetic force
		b) auxiliary release
Hold on force F_{Zh}		≤ 1500N acc. to GS-ET-19
Ambient air temperature		-25°C ... +70°C
Contact type		3 NC, 1 NO
Switching principle		4 slow make and break contact elements
Mechanical life		1 x 10^6 switching cycles
		(at max. 600 switch operations / h)
Assembly		4 x M5
Connection		screw terminal
Conductor cross-sections		≤ 0,75mm² flexible
		wire without/ with ferrule
		Tightening torque 0,4Nm
Cable entrance		3 x M20x1,5
Weight		≈ 0,30kg
Installation position		Operator definable
Protection type		IP67 acc. to IEC/EN 60529

Actuation

4 different actuating directions achievable by rotating the actuating head.
Changing between horizontal and vertical actuating direction by setting the actuating head in the requested direction.

Standards	VDE 0660 T100, DIN EN 60947-1, IEC 60947-1
	VDE 0660 T200, DIN EN 60947-5-1, IEC 60947-5-1
	GS-ET-19

EU Conformity	CE

Approvals	
	BG
	$_{C}CSA_{US}$ B300 (same polarity)

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.
The switch may not be used as a mechanical stop.
When power is removed from the electromagnet (solenoid) the safety guard will be in locked position.
To operate the manual release loosen the screw and turn the hexagonal nut 90°.