

Safety switch

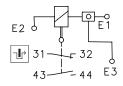
Series SLK – with separate actuator

Description SLK-FVTU24UC-55-ERX

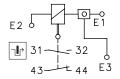
Article number 6118119075

Contact position Latching device

Electro magnet without current

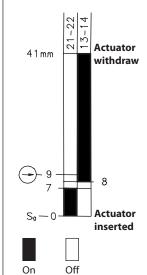


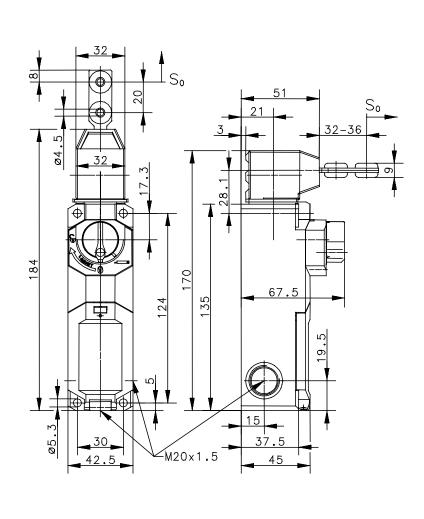
Electro magnet with current



Contacts of Guard locking

Operating diagram Guard locking





BERNSTEIN AG. Hans-Bernstein-Straße 1.32457 Porta Westfalica. www.bernstein.eu

Technical Data



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

Mechanical data		
Enclosure		Thermoplastic, glass fibre reinforced (UL 94-V0)
Cover		Thermoplastic, glass fibre reinforced (UL 94-V0)
Actuating head		Thermoplastic, glass fibre reinforced / Zn-GD
Actuator		Separate actuator (St/PA)
Minimum actuating radius	R_{min}	400 mm
Velocity for actuating	V_{max}	0,5 ^m / _s
Extraction force		\geq 27 N ± 15 %
Interlocking principle		Spring force
Unlocking		a) magnetic force b) emergency release
Hold on force	F_{Zh}	≤ 1500 N
Ambient air temperature		-25 ° C +70 ° C
Contact type		2 N.C., 2 N.O.
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		Spring clamp terminal, E3: Screw terminal
Conductor cross-sections		≤ 1,5mm² flexible (wire without/ with ferrule)
Cable entrance		3 x M20 x 1,5
Weight		≈ 0,30 kg
Installation position		operator definable
Protection type		IP67 acc. to IEC/EN 60529

ID for safety engineering	
B10d	2 x 10 ⁶ cycles

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.

Technical Data



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} 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.

The emergency release function is activated by rotating the rotary handle 90° clockwise. The supplied key is necessary to reset the emergency release function.