

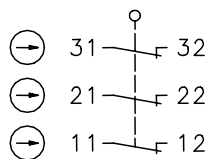
Safety switch

Series SLK – with separate actuator

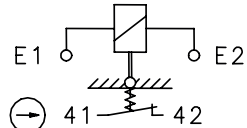
Description **SLK-F-UC-81-R1-A0-L0-0**

Article number **6018169070**

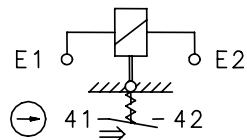
Position monitoring of guard locking



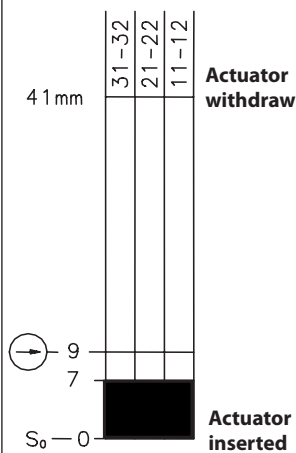
Termination electromagnet with contact position E1, E2 without current



E1, E2 with current



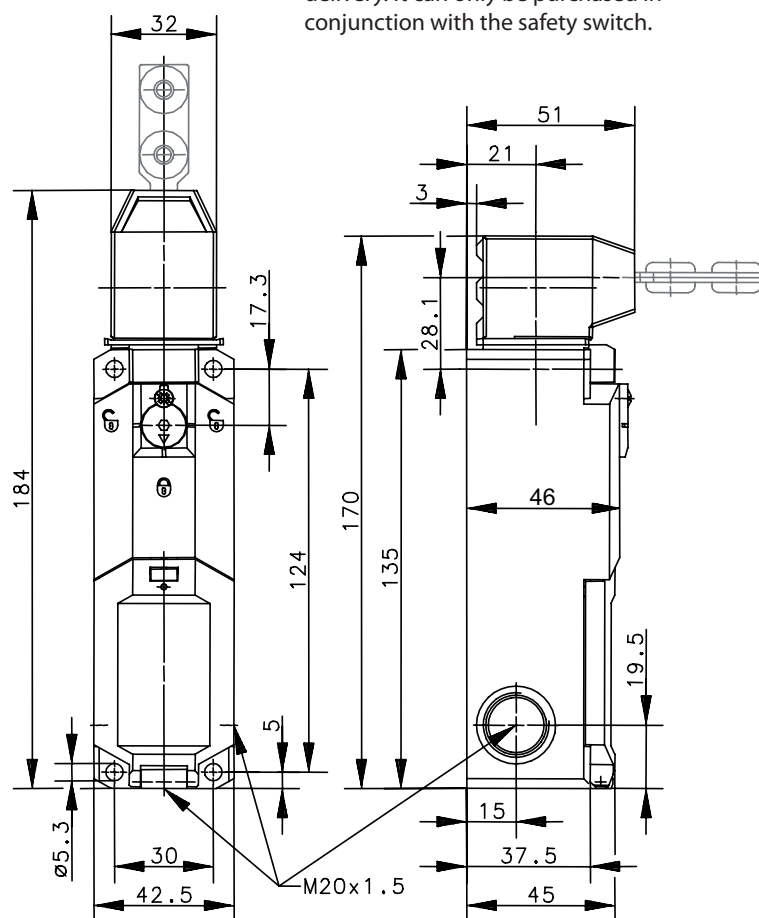
Operating diagram



Tolerances:

Actuating force: $\pm 15\%$

The actuator is not included in the scope of delivery. It can only be purchased in conjunction with the safety switch.



Electrical data		
Protection class	II, totally insulated	
Contact elements		
Rated insulation voltage	U _i	250 V
Rated impulse withstand voltage	U _{imp}	2,5 kV
Conv. thermal current	I _{the}	5 A
Utilization category	AC-15, U _e / I _e 230 V / 2,5 A	
Direct opening action	⊙	according to IEC/EN 60947-5-1, Annex K
Short-circuit protective device	4 A gG	
Electro magnets		
Duty cycle	100 % ED (at E1; E2)	
Temperature class	F (155 °C)	
Inrush power consumption	12 VA (0,2 s)	
Permanent power consumption	4,4 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 (Steel / PA)	
Minimum actuating radius	R_{min}	see separate actuators data sheet
Velocity for actuating	V_{max}	0,5 m/s
Extraction force	≥ 27 N	
Interlocking principle	Spring force	
Unlocking	a) magnetic force b) auxiliary release from the front	
Hold on force	F_{Zh}	≤ 1500 N acc. to GS-ET-19
Ambient air temperature	-25 °C ... +70 °C	
Contact type	4 NC	
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 connection	
Conductor cross-sections	0,5 ... 1,5 mm ² flexible	
Cable entrance	3 x M20 x 1,5	
Weight	≈ 0,34 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.	

Standards	
	DIN EN 60947-5-1
	GS-ET-19
	DIN EN ISO 13849-1
EU Conformity	
	acc. to directive 2006/42/EC (Safety-of-Machinery-Directive)
Approvals	
	DGUV
	cCSA _{US} B300 (same polarity)
	CCC
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°.	