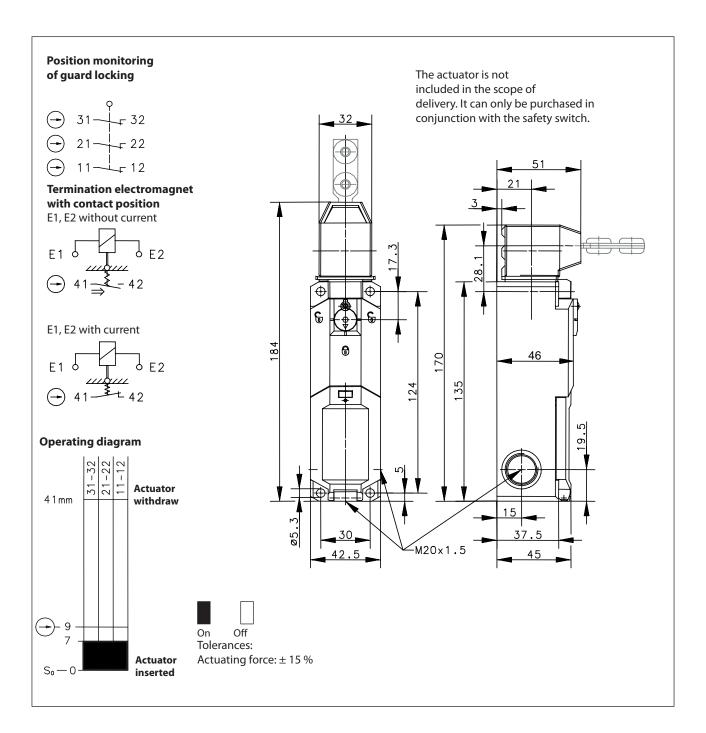


Safety switch

Series SLK – with separate actuator

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

Article number 6018169070





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	\odot	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.

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Technical Data



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
	DIN EN ISO 13849-1

EU Conformity	
acc. to directive 2006/42/EC (Safety-of-Machinery-Directive)	

Approvals	
	DGUV
	_c CSA _{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.

In case that power is removed from the solenoid the safety switch will be no longer in a locked position. Operator can open the guard! Attention has to be given to the risks of the machine in this situation!