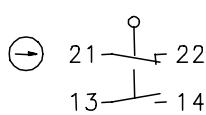
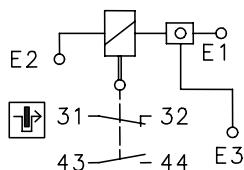


Safety switch

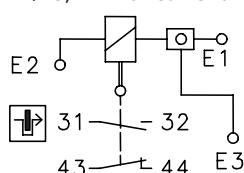
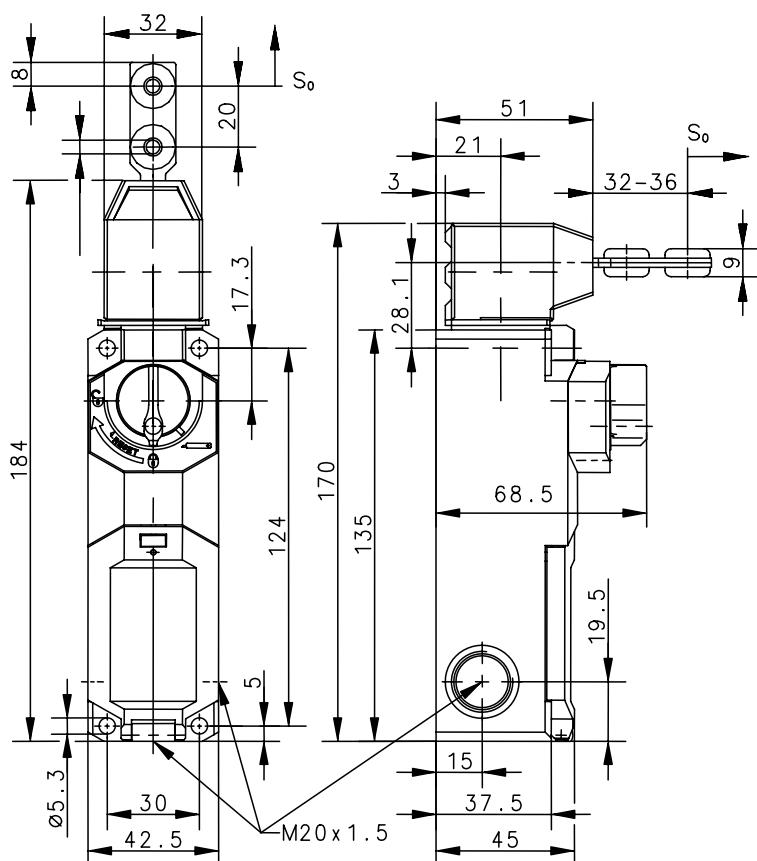
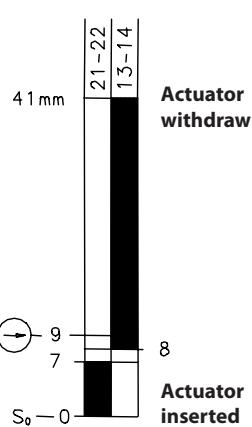
Series SLK – with separate actuator

Description **SLK-F-UC-55-R2-A1-L0-20**Article number **6118119163****Position monitoring
of guard locking****Termination electromagnet
with contact position**

E1/E3, E2 without current



E1/E3, 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	250 V AC
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/E3; 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 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}	400 mm
Velocity for actuating	V_{max}	0,5 m/s
Extraction force		≥ 27 N
Interlocking principle	Spring force	
Unlocking	a) magnetic force b) emergency 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	2 NC, 2 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	Spring-clamp connection; E3: screw terminal	
Conductor cross-sections	0,5 ... 1,5 mm ² flexible	
Cable entrance	3 x M20 x 1,5	
Weight	≈ 0,37 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

VDE 0660 T100, DIN EN 60947-1, IEC 60947-1
VDE 0660 T200, DIN EN 60947-5-1, IEC 60947-5-1
DIN EN ISO 13849-1, GS-ET-19

EU Conformity

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

Approvals

DGUV
cCSA_{us} B300, R300 (same polarity)
CCC

Notes

The degree of protection (IP code) specified applies solely to a properly 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.