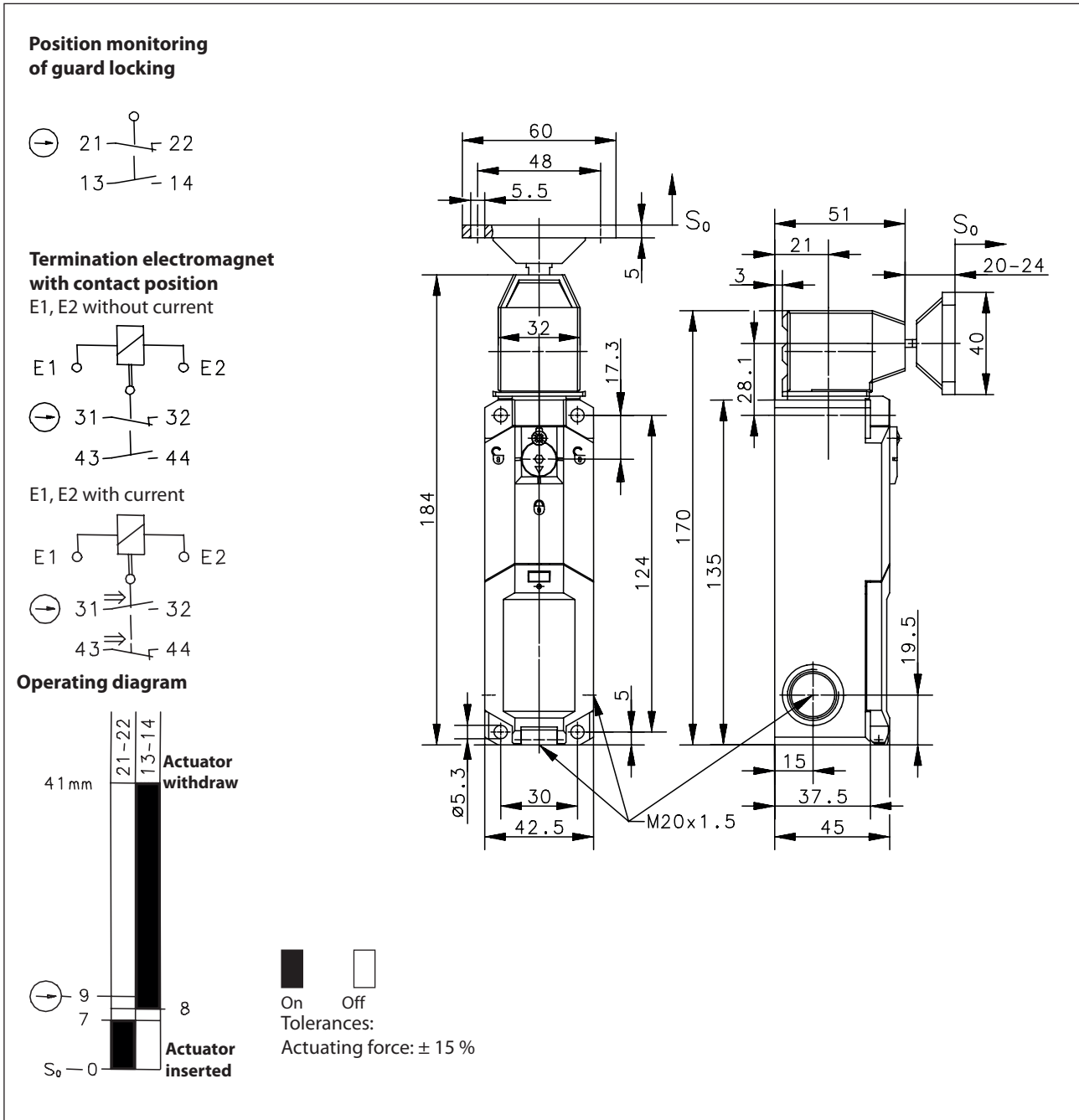


Safety switch

Series SLK – with separate actuator

Description **SLK-F-UC-55-R1-A4-L0-21**

Article number **6118169183**



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} 350 mm
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	2 NC, 2 NO
Switching principle	4 slow make and break contact elements
Contacts	fine gold-plated (Our guideline values are valid for the gold-plated switch contacts.)
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

Characteristics for functional safety	
B10d (electrical und mechanical)	2 x 10 ⁶ Zyklen (@ DC-13; 24 V; $I_{e2} = 0,1$ A)

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
	UL 508 18th Edition
	CSA-C22.2 No.14-18
	GS-ET-19 (DGUV)
	DIN EN ISO 14119
	DIN EN ISO 13849-1

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

Notes	
<p>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.</p> <p>The switch may not be used as a mechanical stop.</p> <p>When power is removed from the electromagnet (solenoid) the safety guard will be in locked position.</p> <p>To operate the manual release loosen the screw and turn the hexagonal nut 90°.</p> <p>The actuator is included in the scope of delivery - loosely enclosed.</p>	