

Technical Data

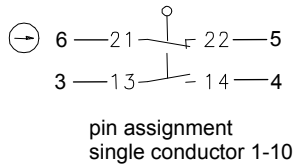
Safety switch

Series SLK – with separate actuator

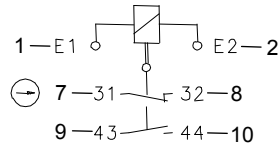
Description **SLK-F-UC-55-R7-A4-L0-1**

Article number **6118119116**

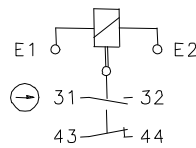
Position monitoring
of guard locking



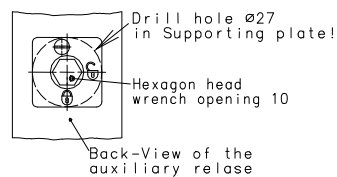
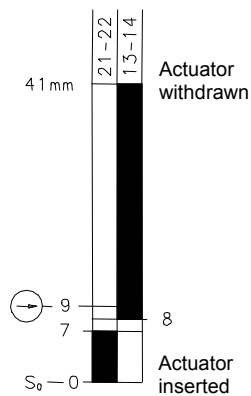
Termination electromagnet
with contact position
E1, E2 without current



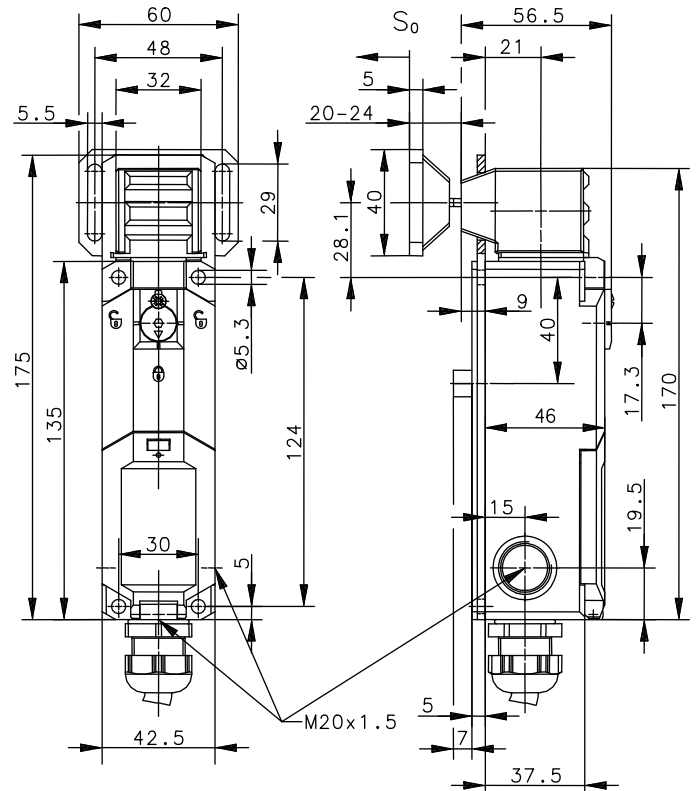
E1, E2 with current



Operating diagram



Tolerances
ON OFF
Actuating force: $\pm 15\%$



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

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Technical Data

Safety switch



Mechanical data			
Enclosure			Thermoplastic GV (UL94-V0)
Cover			Thermoplastic GV (UL94-V0)
Actuating head			Thermoplastic GV / Zn-GD
Actuator			Separate actuator (St / PA)
	Minimum actuating radius	R_{min}	see separate actuators data sheet
	Velocity for actuating	V_{max}	$0,5 \frac{m}{s}$
	Extraction force		$\geq 27 \text{ N}$
Interlocking principle			Spring force
Unlocking			a) magnetic force b) Auxiliary release from the front and heavy auxiliary release (metal hexagon) from the back
Hold on force		F_{Zh}	$\leq 1500 \text{ N}$ acc. to GS-ET-19
Ambient air temperature			$-25 \text{ °C} \dots +70 \text{ °C}$
Contact type			2 NC 2 NO
Switching principle			4 slow make and break contact elements
Mechanical life			1×10^6 switching cycles (at max. 600 switch operations / h)
Assembly			4 x M5
Connection			Wago – plug connector 769-610/ 002-000 und
Conductor cross-sections			Lapp Ölflex 150 Quattro 0015112 12x0,75
Cable entrance			1 x cable gland M20x1,5
Weight			$\approx 0,9 \text{ kg}$
Installation position			operator definable
Protection type			IP67 acc. to IEC/EN 60529 based on the switch without Wago-plug connector

Kennzahlen für Sicherheitstechnik	
B10d	2×10^6 Schaltspiele

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
GS-ET-19

EU Conformity
acc. to directive 2006/42/EC

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° .
 To operate the heavy auxiliary release from the back loosen the screw and turn the hexagonal nut into unlocked position.

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