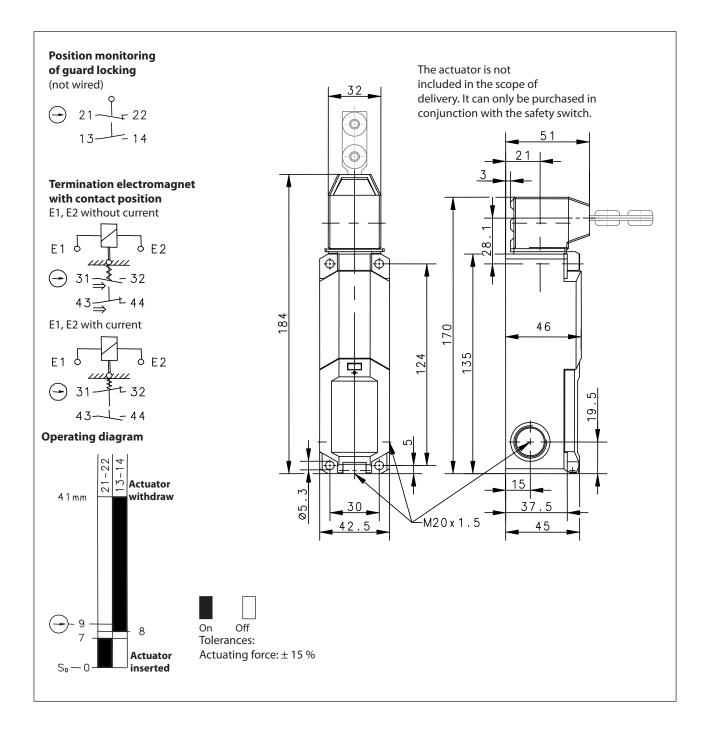


# Safety switch

### Series SLK - with separate actuator

Description SLK-M-NC-55-R0-A0-L0-0

Article number 6018119048



BERNSTEIN AG . Hans-Bernstein-Straße 1 . 32457 Porta Westfalica . www.bernstein.eu

# **Technical Data**



Electrical data		
Protection class		II, totally insulated
Contact elements		
Rated insulation voltage	Ui	250 V
Rated impulse withstand voltage	$U_{imp}$	2,5 kV
Conv. thermal current	I <sub>the</sub>	5 A
Utilization category		AC-15, U <sub>e</sub> / I <sub>e</sub> 230 V / 2,5 A
Direct opening action	$\ominus$	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		65 VA (0,1 s)
Permanent power consumption		8 VA
Switch operations permanent		600 / h
Operating voltage		110 / 230 V AC

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	$R_{\text{min}}$	see separate actuators data sheet
Velocity for actuating	$V_{\text{max}}$	0,5 <sup>m</sup> /s
Extraction force		≥ 27 N
Interlocking principle		Magnetic force
Unlocking		Spring force
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 <sup>6</sup> switching cycles (at max. 600 switch operations / h)
Assembly		4 x M5
Connection		Spring-clamp connection
Conductor cross-sections		0,5 1,5 mm² 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<sup>6</sup> 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.

BERNSTEIN AG . Hans-Bernstein-Straße 1 . 32457 Porta Westfalica . www.bernstein.eu

The technical datasheet corresponds to the technical state as of 2018-02-19 and will not be removed in case of changes.

## **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

<sub>c</sub>CSA<sub>US</sub> 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!

BERNSTEIN AG . Hans-Bernstein-Straße 1 . 32457 Porta Westfalica . www.bernstein.eu