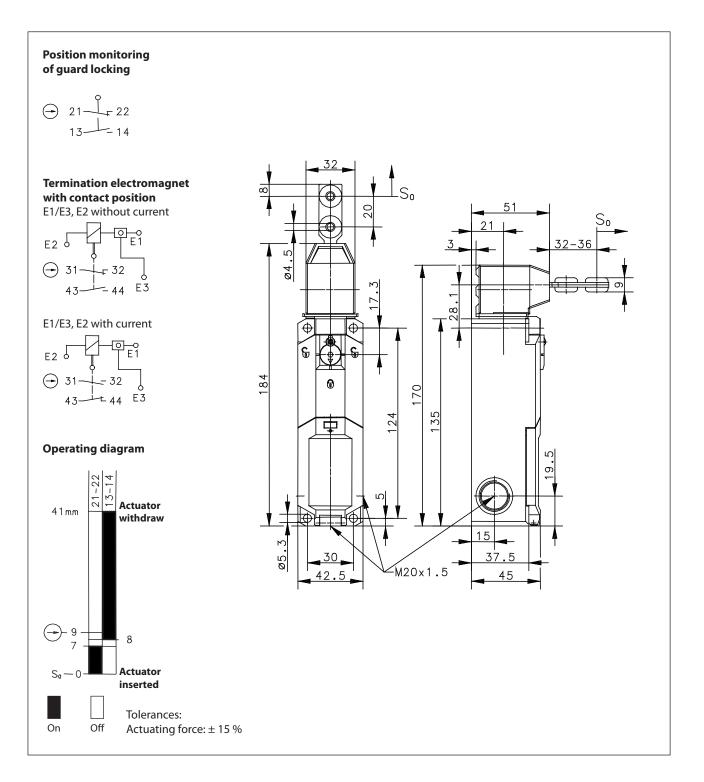


# Safety switch

Series SLK – with separate actuator

### Description SLK-FVTU24UC-55-ARX HVG

Article number 6118119157



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

The technical datasheet corresponds to the technical state as of 2017-06-21 and will not be removed in case of changes.

## **Technical Data**



Electrical data		
Protection class		II, totally insulated
Contact elements		
Rated insulation voltage	Ui	250 V
Conv. thermal current	$I_{\rm the}$	2,5 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/E3; E2)
Temperature class		B (130 °C)
Inrush power consumption		56 VA (0,2 s)
Permanent power consumption		1,1 VA
Switch operations permanent		600 / h
Operating voltage		24 V DC/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 (St/PA)
Minimum actuating radius	R <sub>min</sub>	400 mm
Velocity for actuating	$V_{\text{max}}$	0,5 <sup>m</sup> / <sub>s</sub>
Extraction force		≥ 27 N
Interlocking principle		Spring force
Unlocking		a) magnetic force b) auxiliary release
Hold on force	$F_{Zh}$	≤ 1500 N acc. to GS-ET-19
Ambient air temperature		-25 ° C +70 ° C
Contact type		2 N.C., 2 N.O.
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 <sup>6</sup> switching cycles (at max. 600 switch operations / h)
Assembly		4 x M5
Connection		Cage tension spring
Conductor cross-sections		≤ 0,75 mm <sup>2</sup> flexible wire without/ with ferrule Tightening torque 0,4 Nm
Cable entrance		3 x M20 x 1,5
Weight		≈ 0,36 kg
In stallation is a statem		

#### Actuation

Installation position

Protection type

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.

operator definable

IP67 acc. to IEC/EN 60529

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

The technical datasheet corresponds to the technical state as of 2017-06-21 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

### **EU Conformity**

acc. to directive 2014/35/EU (Low-Voltage-Directive)

#### 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 backside auxiliary release loosen the screw, swivel the cover and turn the hexagonal nut into unlocked position.