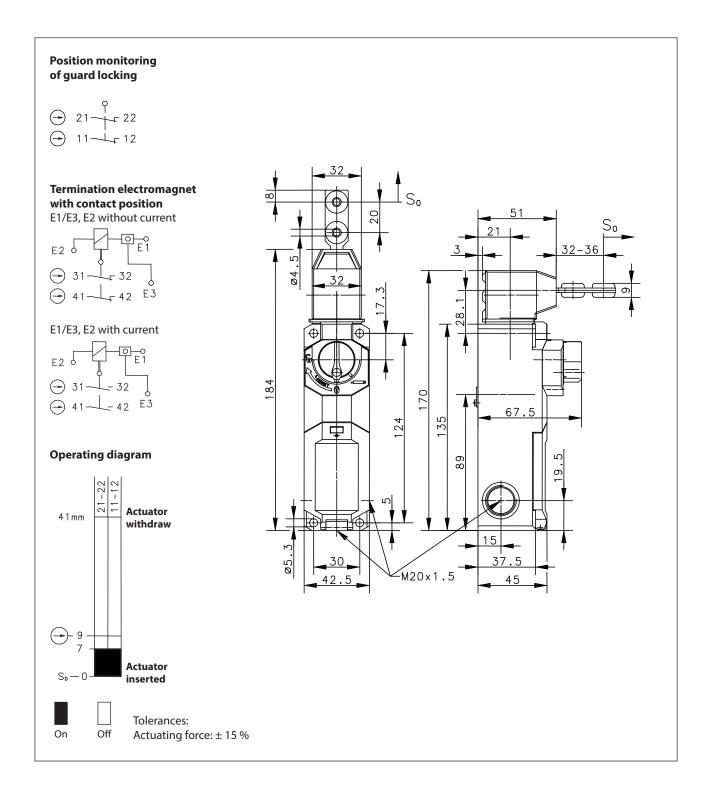


# Safety switch

Series SLK – with separate actuator

Description SLK-FVTU24-230MC-22ERX

Article number 6118169028



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## **Technical Data**



Electrical data		
Protection class		II, totally insulated
Contact elements		
Rated insulation voltage	$U_{i}$	250 V
Conv. thermal current	$I_{the}$	2,5 A
Utilization category		AC-15, U <sub>e</sub> / I <sub>e</sub> 230 V / 2,5 A
Direct opening action	$\Theta$	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; 24, 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	$R_{min}$	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		4 N.C.
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		Cage tension spring
Conductor cross-sections		≤ 1,5 mm² flexible
Cable entrance		3 x M20 x 1,5
Weight		≈ 0,4 kg
Installation position		operator definable
Protection type		IP67 acc. to IEC/EN 60529

ID for safety engineering	
B10d	2 x 10 <sup>6</sup> switching 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.

### **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
	DIN EN ISO 13849-1
	GS-ET-19

EU Conformity	
acc. to directive 2006/42/EC	

Approvals	
	<sub>c</sub> CSA <sub>US</sub> B300 (same polarity)

#### 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.

The emergency release function is activated by rotating the rotary handle 90° clockwise. The supplied key is necessary to reset the emergency release function.

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