## **Technical Data**

# Safety switch

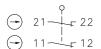


### Series SLK - with separate actuator

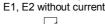
SLK-FVTU24-230MC-21-ARL Description

6018169013 Article number

#### Position monitoring of guard locking

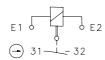


### Termination electromagnet with contact position

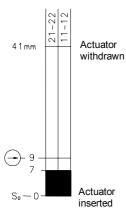


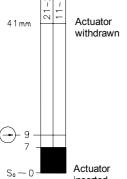


#### E1, E2 with current



#### Operating diagram





**Tolerances** 

Actuating force: ± 15% OFF

8	500000000000000000000000000000000000000	S <sub>0</sub>	51	S <sub>0</sub> 32-36
<u>265.3                                     </u>	30 42.5	021 20x1.5	15 37.5 45	(1) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4

Electrical data		
Protection class		II, totally insulated
Contact elements		
Rated insulation voltage	$U_{i}$	250V
Conv. thermal current	$I_{the}$	2,5A
Utilization category		AC-15, U <sub>e</sub> /I <sub>e</sub> 230V/2,5A
Direct opening action	$\odot$	according to IEC/EN 60947-5-1, Annex K
Short-circuit protective device		4A gL
Electro magnets		
Duty cycle		100% ED (at E1; E2)
Temperature class		B (130°C)
Inrush power consumption		56VA (0,2s)
Permanent power consumption		1,1VA
Switch operations permanent		600/h
Operating voltage		24V DC; 24, 110, 230V AC

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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 with dust protector (St / PA)
Minimum a	actuating radius	$R_{min}$	400mm
Velocity fo	r actuating	$V_{max}$	$0.5^{\rm m}/_{\rm s}$
Extraction	force		≥ 27N
Interlocking principle			Spring force
Unlocking			a) magnetic force
			b) auxiliary release
Hold on force F <sub>7h</sub>		≤ 1500N acc. to GS-ET-19	
Ambient air temperature			-25°C +70°C
Contact type			3 NC
Switching principle			3 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		≤ 1,5mm² flexible	
Cable entrance			3 x M20x1,5
Weight			≈ 0,30kg
Installation position			Operator definable
Protection type			IP67 acc. to IEC/EN 60529

#### Actuation

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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 1100, DIN EN 60947-1, IEC 60947-1
	VDE 0660 T200, DIN EN 60947-5-1, IEC 60947-5-1
	GS-ET-19
EU Conformity	C€
Approvals	
	BG
	<sub>c</sub> CSA <sub>US</sub> B300 (same polarity)

VDE 0660 T400 DIN EN 60047 4 JEC 60047 4

#### **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°.

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