## Technical Data Safety switch

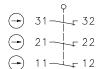


6118169102

## Series SLK – with separate actuator

### Description SLK-FVTU24UC-81-ERX

Position monitoring of guard locking





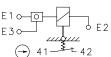
with contact position

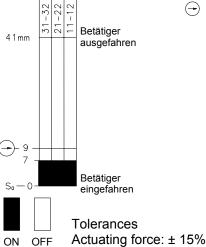
Termination electromagnet

(→) 41-₹-42

E1/E3, E2 with current

Operating diagram





•S•	51	
. roj 1		
124 170 135		
- w		

M20x1.5

45

**Delivery status** 

Article number

Electrical data		
Protection class		II, totally insulated
Contact elements		
Rated insulation voltage	Ui	250V
Conv. thermal current	I <sub>the</sub>	2,5A
Utilization category		AC-15, U <sub>e</sub> /I <sub>e</sub> 230V/2,5A
Direct opening action	$\ominus$	according to IEC/EN 60947-5-1, Annex K
Short-circuit protective device		4A gL
Electro magnets		
Duty cycle		100% ED (at E1/E3; 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 AC/DC

ø5.

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# Technical Data Safety switch



Mechanica	al data		
Enclosure			Thermoplastic GV (UL94-V0)
Cover			Thermoplastic GV (UL94-V0)
Actuating h	nead		Thermoplastic GV / Zn-GD
Actuator			Separate actuator (St / PA)
	Minimum actuating radius	R <sub>min</sub>	400mm
	Velocity for actuating	V <sub>max</sub>	0,5 <sup>m</sup> / <sub>s</sub>
	Extraction force		≥ 27N
Interlocking	g principle		Spring force
Unlocking			a) magnetic force
			b) auxiliary release
Hold on for	rce	$F_{Zh}$	≤ 1500N acc. to GS-ET-19
Ambient ai	r temperature		-25°C +70°C
Contact type			4 NC
Switching			4 slow make and break contact elements
Mechanica	al 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 entra	ance		3 x M20x1,5
Weight			≈ 0,30kg
Installation			Operator definable
Protection	type		IP67 acc. to IEC/EN 60529

#### 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	CE
Approvals	
	BG
	<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.

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