Technical Data

Safety switch

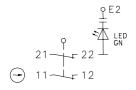


Series SLK - with separate actuator

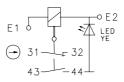
SLK-FVTU24-230MC-25-ARL2X Description

6118169045 Article number

Position monitoring of guard locking

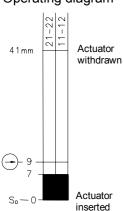


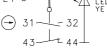
Termination electromagnet with contact position E1, E2 without current

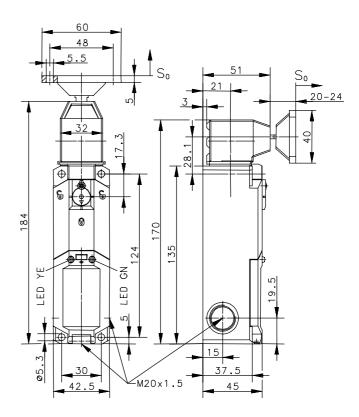


E1, E2 with current

Operating diagram







Tolerances

Actuating force: ± 15% OFF

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 _e /I _e 230V/2,5A
Direct opening action	Θ	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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Safety switch



Mechanical	data		
Enclosure			Thermoplastic GV (UL94-V0)
Cover			Thermoplastic GV (UL94-V0)
Actuating hea	ad		Thermoplastic GV / Zn-GD
Actuator			Separate actuator with dust protector (St / PA)
	Minimum actuating radius	R_{min}	350mm
	Velocity for actuating	V_{max}	$0.5^{\text{m}}/_{\text{s}}$
	Extraction force		≥ 27N
Interlocking p	orinciple		Spring force
Unlocking			a) magnetic force
			b) auxiliary release
Hold on force	e F _{zh}		≤ 1500N acc. to GS-ET-19
Ambient air t			-25°C +70°C
Contact type			3 NC, 1 NO
Switching pri	nciple		4 slow make and break contact elements
Mechanical I	ife		1 x 10 ⁶ switching cycles
			(at max. 600 switch operations / h)
Assembly			4 x M5
Connection			Cage tension spring
Conductor cr	oss-sections		≤ 1,5mm² flexible
Cable entran	ce		3 x M20x1,5
Weight			≈ 0,42kg
Installation p	osition		Operator definable
Protection ty	ре		IP67 acc. to IEC/EN 60529

Actuation

Ctondordo

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	CE .
Approvals	
	BG

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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