Technical Data

Safety switch

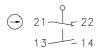


Series SLK - with separate actuator

Description SLK-FVTU24UC-55-ARL

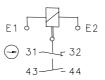
Article number 6018119009

Position monitoring of guard locking



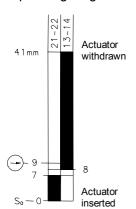
Termination electromagnet with contact position

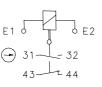
E1, E2 without current

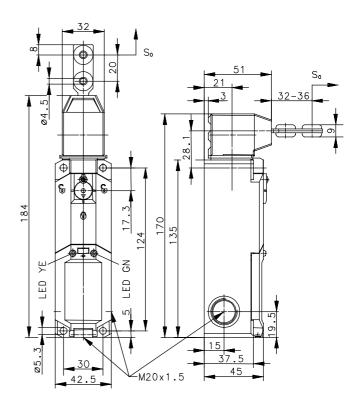


E1, E2 with current

Operating diagram







Tolerances

N OFF Actuating force: ± 15%

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	\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 AC/DC

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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 with dust protector (St / PA)
	Minimum actuating radius	R_{min}	400mm
	Velocity for actuating	V_{max}	$0.5^{\rm m}/_{\rm s}$
	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 typ	oe .		2 NC 2 NO
Switching p	orinciple		4 slow make and break contact elements
Mechanica	l life		1 x 10 ⁶ 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	position		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	C€
Approvals	
	BG
	_c CSA _{US} 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.

To operate the manual release loosen the screw and turn the hexagonal nut 90°.

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