Technical Data

Safety switch



Series SLK – with separate actuator

Description SLK-MVTU24UC-81-AX

Article number 6118169069

Position monitoring of guard locking



2

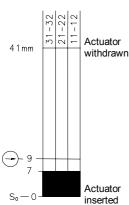
Termination electromagnet with contact position

E1, E2 without current

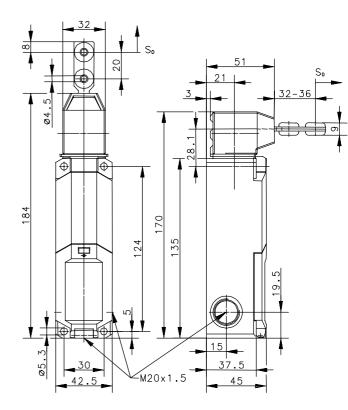


E1, E2 with current

Operating diagram



E1 0 E



Tolerances

ON 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 (St / PA)
	Minimum actuating radius	R_{min}	400mm
	Velocity for actuating	V_{max}	0,5 ^m / _s
	Extraction force		≥ 27N
Interlocking principle			Magnetic force
Unlocking			Spring force
Hold on for	rce F _{Zh}		≤ 1500N acc. to GS-ET-19
Ambient ai	r temperature		-25°C +70°C
Contact typ	oe .		4 NC
Switching principle			4 slow make and break contact elements
Mechanical 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			Operator definable
Protection	type		IP67 acc. to IEC/EN 60529

Actuation

Standards

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 0000 1 100, DIN EN 00947-1, IEC 00947-1
	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)

VDE 0660 T100 DIN EN 60047 1 JEC 60047 1

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.

In case that power is removed from the solenoid the safety switch will be no longer in a locked position. Operator can open the guard! Attention has to be given to the risks of the machine in this situation.

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