### **Technical Data**

# Safety switch



#### Series SLK - with separate actuator

Description SLK-MVTU24UC-81-X

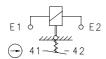
Article number 6118169052

Position monitoring of guard locking



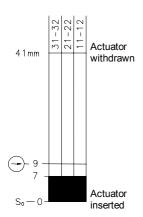
11 12

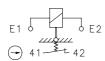
Termination electromagnet with contact position E1, E2 without current

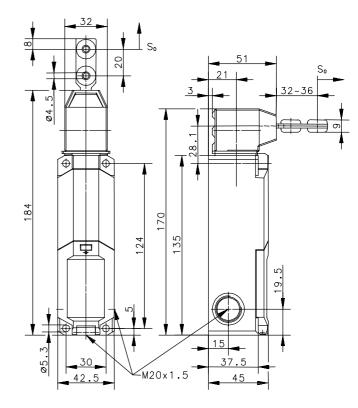


E1/E3, E2 with current

#### Operating diagram







Tolerances

ON OFF Actuating force: ± 15%

Electrical data		
Protection class		II, totally insulated
Contact elements		
Rated insulation voltage	$U_i$	250V
Conv. thermal current	l <sub>the</sub>	2,5A
Utilization category		AC-15, U <sub>e</sub> /I <sub>e</sub> 230V/2,5A
Direct opening action	$\Theta$	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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Date of issue: 05.04.2005 / Page 1 of 2 Document : 6118169052\_en / Last update: 1 / 2236-05

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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 <sup>m</sup> / <sub>s</sub>
	Extraction force		≥ 27N
Interlocking principle			Magnetic force
Unlocking			Spring force
Hold on for	rce F <sub>Zh</sub>		≤ 1500N acc. to GS-ET-19
Ambient ai	r temperature		-25°C +70°C
Contact typ	oe .		4 NC
Switching p			4 slow make and break contact elements
Mechanica	ıl 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**

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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 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	<b>C€</b>
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.

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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Date of issue: 05.04.2005 / Page 2 of 2 Document : 6118169052\_en / Last update: 1 / 2236-05