## **Technical Data**

## Safety switch

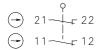


## Series SLK - with separate actuator

Description SLK-MVTU24UC-21-R

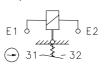
Article number 6018169025

# Position monitoring of guard locking

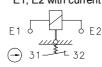


# Termination electromagnet with contact position

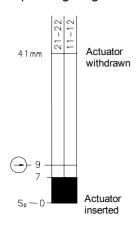
E1, E2 without current



### E1, E2 with current

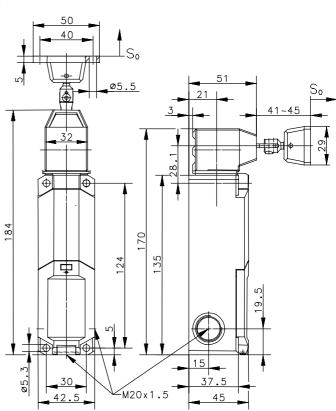


### Operating diagram





ON OFF Actuating force: ± 15%



Electrical data		
Protection class		II, totally insulated
Contact elements		
Rated insulation voltage	U <sub>i</sub>	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	$\Theta$	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 : 6018169025\_en / Last update: 1 / 2236-05

## **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	$R_{min}$	150mm
	Velocity for actuating	$V_{max}$	0,5 <sup>m</sup> / <sub>s</sub>
	Extraction force		≥ 27N
Interlocking	g 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 .		3 NC
Switching p			3 slow make and break contact elements
Mechanica	ll 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			≈ 0,43kg
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
<b>EU Conformity</b>	C€
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.

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 : 6018169025\_en / Last update: 1 / 2236-05