Technical Data

Safety switch

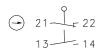


Series SLK - with separate actuator

SLK-MVTU24UC-51-L Description

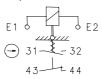
6018119023 Article number

Position monitoring of guard locking



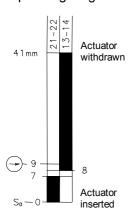
Termination electromagnet with contact position

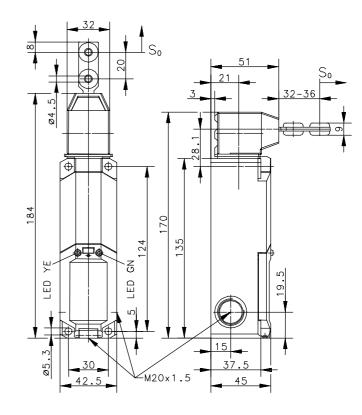
E1, E2 without current



E1, E2 with current

Operating diagram





Tolerances

Actuating force: ± 15% OFF

Electrical data		
Protection class		II, totally insulated
Contact elements		
Rated insulation voltage	Ui	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 AC/DC

This document will not become the contractual basis; the details included herein do not constitute any descriptions of expected conditions, so that warranties/claims for defects on account of possible variations of the actual qualities from the qualities described herein are explicitly excluded. All rights reserved. Specifications subject to change without notice!

Date of issue: 05.04.2005 / Page 1 of 2

Document: 6018119023_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}	400mm
	Velocity for actuating	V_{max}	$0.5^{\rm m}/_{\rm s}$
	Extraction force		≥ 27N
Interlocking	g principle		Magnetic force
Unlocking			Spring force
Hold on for			≤ 1500N acc. to GS-ET-19
A b : t :	F _{Zh}		05°0 +70°0
	r temperature		-25°C +70°C
Contact typ			2 NC, 2 NO 4 slow make and break contact elements
Switching principle Mechanical life			1 x 10 ⁶ switching cycles
Mechanica	ııııe		
Assembly			(at max. 600 switch operations / h) 4 x M5
Connection			Cage tension spring
	cross-sections		≤ 1,5mm² flexible
Cable entra			3 x M20x1,5
Weight			≈ 0,30kg
Installation	nosition		Operator definable
Protection type			IP67 acc. to IEC/EN 60529
TOGGGGGGT	iypo		11 07 400. 10 120/214 00020

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.

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.

This document will not become the contractual basis; the details included herein do not constitute any descriptions of expected conditions, so that warranties/claims for defects on account of possible variations of the actual qualities from the qualities described herein are explicitly excluded. All rights reserved. Specifications subject to change without notice!

Date of issue: 05.04.2005 / Page 2 of 2 Document : 6018119023_en / Last update: 1 / 2236-05