Technical Data

Safety switch



Series SLK - with separate actuator

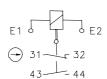
SLK-FVTU24UC-25-ARR Description

6018169034 Article number

Position monitoring of guard locking

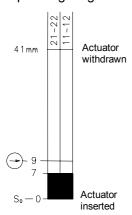


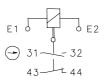
Termination electromagnet with contact position E1, E2 without current

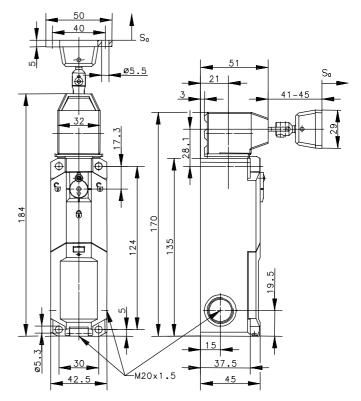


E1, E2 with current

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	\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

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: 6018169034_en / Last update: 1 / 2236-05

Technical Data

Safety switch



Mechanica	l data		
Enclosure			Thermoplastic GV (UL94-V0)
Cover			Thermoplastic GV (UL94-V0)
Actuating he	ead		Thermoplastic GV / Zn-GD
Actuator			Separate actuator with dust protector (St / PA)
	Minimum actuating radius	R_{min}	150mm
	Velocity for actuating	V_{max}	$0.5^{\rm m}/_{\rm s}$
	Extraction force		≥ 27N
Interlocking	principle		Spring force
Unlocking			a) magnetic force
			b) auxiliary release
Hold on ford	ce F _{Zh}		≤ 1500N acc. to GS-ET-19
Ambient air	temperature		-25°C +70°C
Contact type			3 NC 1NO
Switching p	rinciple		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 of	cross-sections		≤ 1,5mm² flexible
Cable entra	nce		3 x M20x1,5
Weight			≈ 0,43kg
Installation	position		Operator definable
Protection ty	ype		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
Ell Conformity	16
EU Conformity	C€
Annevolo	
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°.

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 : 6018169034_en / Last update: 1 / 2236-05