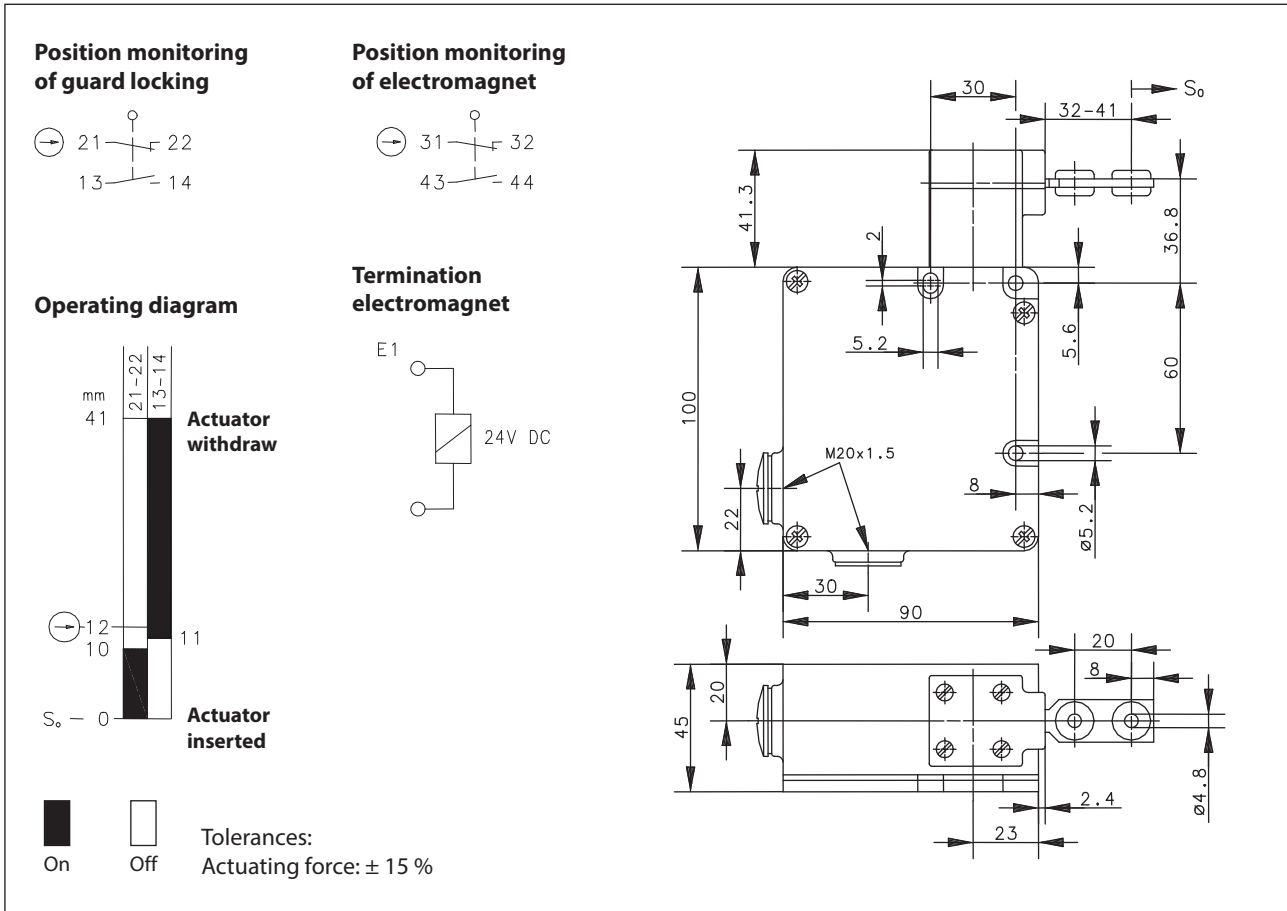


Safety switch Series SLM – with separate actuator

Description **SLM-MVTW24DC-55**

Article number **6017119023**



Electrical data		
Protection class	I	
Contact elements		
Rated insulation voltage	U_i	250 V
Rated impulse withstand voltage	U_{imp}	2,5 kV
Conv. thermal current	I_{the}	5 A
Utilization category	AC-12, U_e / I_e 250 V / 10 A; AC-15, U_e / I_e 230 V / 4 A	
Direct opening action	⊕	according to IEC/EN 60947-5-1, Annex K
Short-circuit protective device	10 A gG	
Electro magnets		
Duty cycle	100 % ED (at E1; E2)	
Temperature class	B (130 °C)	
Power consumption P20	5,2 W	
Operating voltage	24 V DC	

Mechanical data	
Enclosure	Al-GD
Cover	Al-sheet
Actuating head	Zn-GD
Actuator	Separate actuator (Steel / PA)
Minimum actuating radius	R_{min} 400 mm
Velocity for actuating	V_{max} 1,5 m/s
Extraction force	≥ 30 N
Interlocking principle	Magnetic force
Unlocking	Spring force
Hold on force	F_{Zh} ≤ 1000 N acc. to GS-ET-19
Ambient air temperature	-30 °C ... +80 °C
Contact type	2 NC, 2 NO
Switching principle	4 slow make and break contact elements
Mechanical life	1 x 10 ⁶ switching cycles
Assembly	3 x M5
Connection	10 Screws M3,5; 2 non-fused earthed conductor M4
Conductor cross-sections	0,5 ... 2,5 mm ² (solid) 0,5 ... 1,5 mm ² (finely stranded with ferrules)
Cable entrance	2 x M20x1,5
Weight	$\approx 0,83$ kg
Installation position	operator definable
Protection type	IP67 acc. to IEC/EN 60529

Actuation
4 different actuating directions achievable by rotating the actuating head. Turning the actuator head (4 x 90 °) only when the actuator is plugged in.

ID for safety engineering
B10d 2 x 10 ⁶ switching cycles

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
DIN EN ISO 13849-1

EU Conformity
acc. to Directive 2006/42/EG

Approvals
DGUV
cCSA _{US} B300, R300 (same polarity)
UL

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. Remove hexagonal screw plug and push internal resin plunger in order to activate auxiliary release function. Pre-travel actuator (compensation of shock and vibrations) approx. 9 mm.