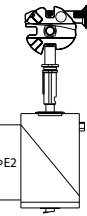
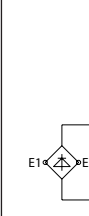

















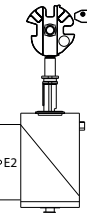










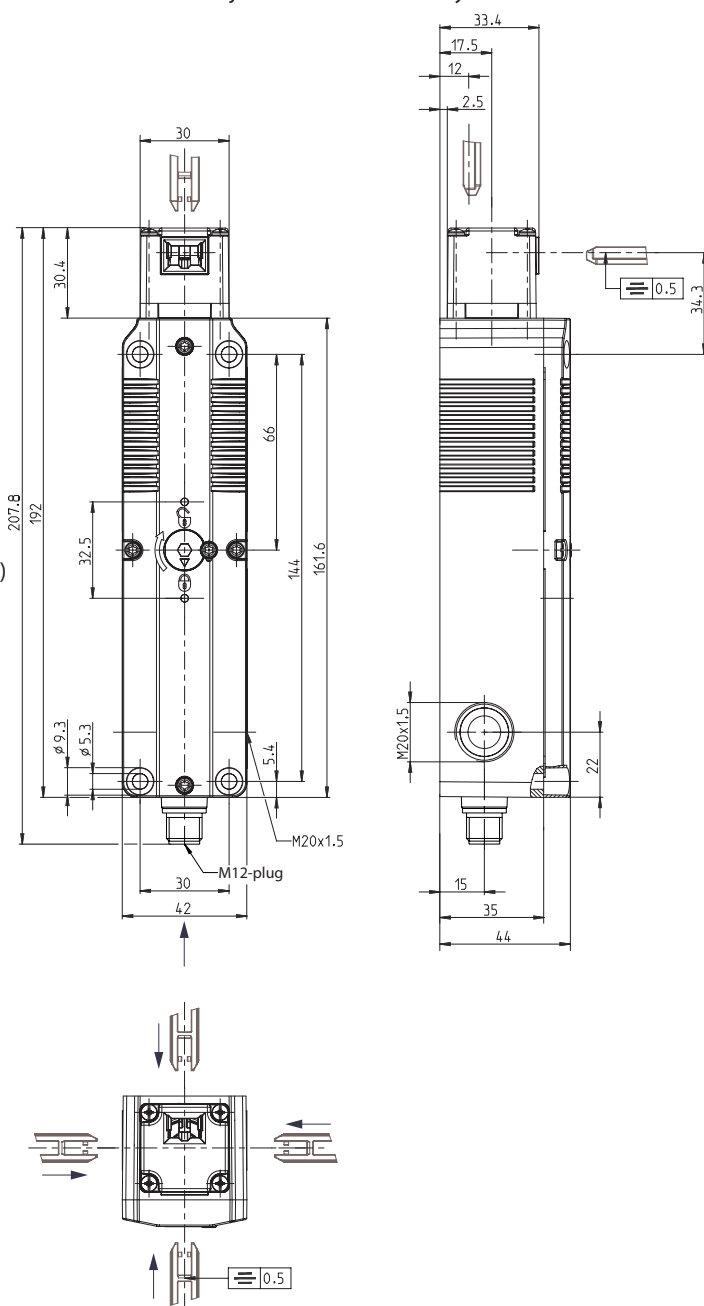
## Safety switch

### Series SLC

Description <b>SLC-F-024-10/11-R4-01</b>	Article number <b>6018200019</b>
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Position monitoring (Guard lock L)	
<p>Actuator inserted Guard closed and locked</p>  <p>without current</p>	<p>Actuator inserted Guard closed and not locked</p>  <p>with current</p>
<p>Pin 8- E1  E2 -Pin 7 Pin 2- 11  12  -Pin 5 -- 21  22  -- Pin 6- 31  32  -Pin 3 Pin 1- 43  44 L -Pin 4</p>	<p>Pin 8-E1  E2 -Pin 7 Pin 2- 11  12  -Pin 5 -- 21  22  -- Pin 6- 31  32  -Pin 3 Pin 1- 43  44 L -Pin 4</p>
<p>Actuator withdraw Guard not closed and not locked</p>	<p><b>Plug</b> (In the direction of the arrow)</p> 
<p>Actuator inserted Guard closed and not locked</p>  <p>with or without current</p>	
<p>Pin 8- E1  E2 -Pin 7 Pin 2- 11  12  -Pin 5 -- 21  22  -- Pin 6- 31  32  -Pin 3 Pin 1- 42  44 L -Pin 4</p>	

The actuator is not included in the scope of delivery. It can only be purchased in conjunction with the safety switch.



Electrical data		
Protection class		II, totally insulated
Contact elements		
Rated insulation voltage	U <sub>i</sub>	30 V
Rated impulse withstand voltage	U <sub>imp</sub>	800 V
Rated operational voltage	U <sub>e</sub>	24 V AC / DC
Conv. thermal current	I <sub>the</sub>	2 A
Utilization category acc. to IEC		DC-13, U <sub>e</sub> / I <sub>e</sub> 24 V / 1,5 A
Utilization category acc. to UL / CSA		30 V / 2 A general use
Direct opening action	⊙	according to IEC/EN 60947-5-1, Annex K
Short-circuit protective device		2 A gG
Rated conditional short-circuit current		400 A
Electro magnet		
Duty cycle		100 % ED (at E1; E2)
Temperature class		F (155 °C)
Permanent power consumption		6,7 VA (W)
Switch operations permanent		10 / min
Operating voltage		24 V AC / DC (+10 % /-15 %)

<b>Mechanical data</b>		
Enclosure	Thermoplastic, glass fibre reinforced (UL 94-V0)	
Cover	Thermoplastic, glass fibre reinforced (UL 94-V0)	
Actuating head	Thermoplastic, glass fibre reinforced / Zn-GD	
Actuator	Separate actuator	
Minimum actuating radius	$R_{min}$	see separate actuators data sheet
Velocity for actuating	$V_{max}$	0,5 m/s
Extraction force	≤ 10 N	
Interlocking principle	Spring force	
Unlocking	a) magnetic force b) auxiliary release from front and back side	
Holding force	$F_{Zh}$	1500 N (EN ISO 14119)
Ambient air temperature	-25 °C to +55 °C	
Contact type	Interlock: 1 NC Guard lock (L): 1 NC, 1 NO	
Switching principle	4 slow make and break contact elements	
Mechanical life	1 x 10 <sup>6</sup> switching cycles	
Assembly	4 x M5	
Connection	Plug connector, M12-plug, 8-pin, A-coded, DIN EN 61076-2-101	
Cable entrance	2 x M20x1,5	
Weight	≈ 0,50 kg	
Installation position	operator definable	
Protection type	IP67 acc. to IEC/EN 60529 ; (UL 50 E / CSA C22.2) Type 6 indoor use only	

<b>ID for safety engineering</b>	
B10d	2 x 10 <sup>6</sup> Cycles (at DC-13; 24 V; 0,1 A)

Standards	
	DIN EN 60947-5-1
	UL 508 18th Edition, CSA-C22.2 No.14-18
	GS-ET-19 (DGVU)
	DIN EN ISO 14119
	DIN EN ISO 13849-1

EU Conformity	
	acc. to directive 2006/42/EC (Safety-of-Machinery-Directive)

Approvals	
DGVU	(in preparation)
cCSA <sub>US</sub>	

Notes
<p>The degree of protection specified (IP code) applies only to a properly closed cover and the use of an equivalent connector and when required the use of an equivalent cable gland with adequate cable.</p> <p>The connector and the cable (fix or flexible mounted) must at least be suitable for the described ambient air temperatures.</p> <p>The connector must not be connected or disconnected when voltage is applied.</p> <p>The mechanical life of the connector is 100 connection cycles.</p> <p>Suitable connector and cable must be used to meet approval requirements.</p> <p>The switch may not be used as a mechanical stop.</p> <p>When power is removed from the electromagnet (solenoid) the safety guard will be in locked position.</p>