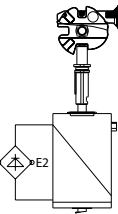
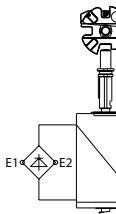
















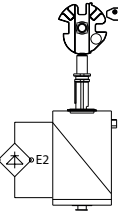
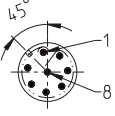
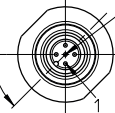


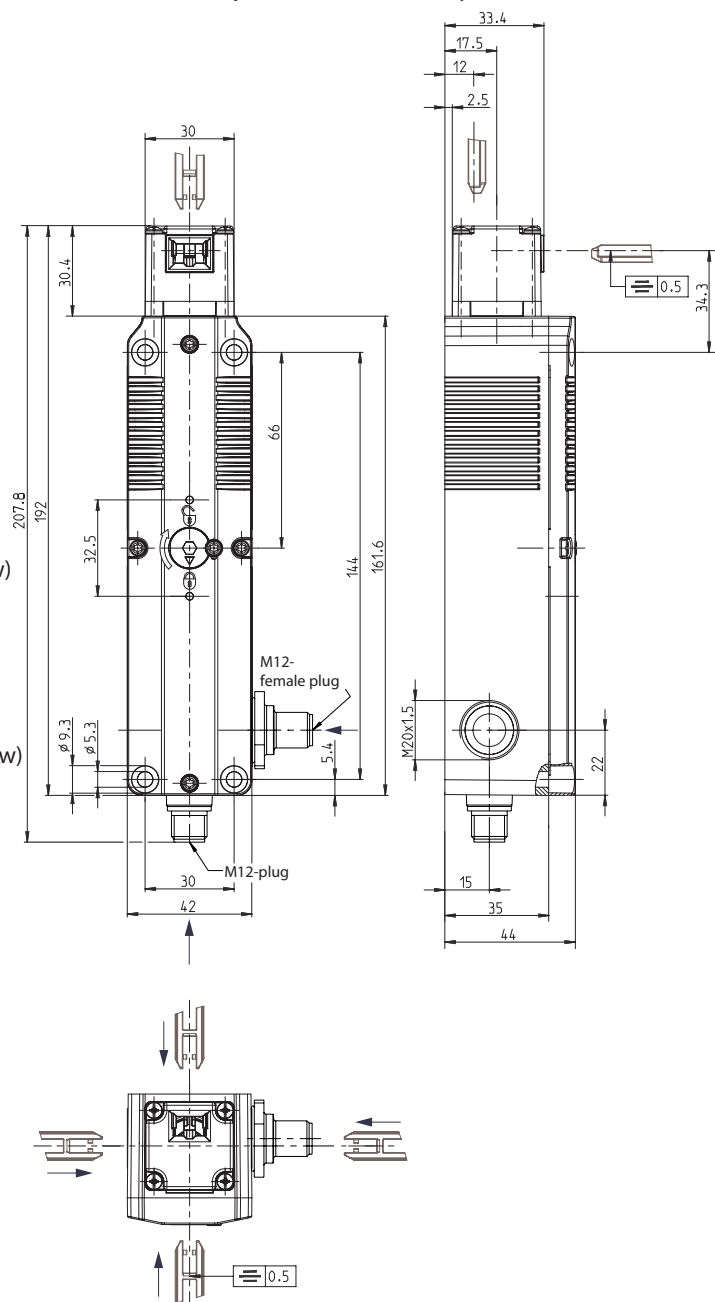
## Safety switch

### Series SLC

Article number **6018200022**

Position monitoring	
<p><b>Actuator inserted</b> Guard closed and locked</p>  <p>without current</p>	<p><b>Actuator inserted</b> Guard closed and not locked</p>  <p>with current</p>
<p>Pin 8- E1  E2 -Pin 7</p> <p>Pin 5- 11  12  -Pin 2 / SRF 1</p> <p>Pin 6 / SRF 5- 2a  2b -Pin 1 / SRF 3</p> <p>Pin 3- 31  32  -SRF 2</p> <p>Pin 4- 41  42  -SRF 4</p>	<p>Pin 8- E1  E2 -Pin 7</p> <p>Pin 5- 11  12  -Pin 2 / SRF 1</p> <p>Pin 6 / SRF 5- 2a  2b -Pin 1 / SRF 3</p> <p>Pin 3- 31  32  -SRF 2</p> <p>Pin 4- 41  42  -SRF 4</p>
<p><b>Actuator withdrawn</b> Guard not closed and not locked</p>  <p>with or without current</p>	<p><b>Plug</b> (In the direction of the a</p>  <p><b>Socket</b> (In the direction of the</p> 

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



Wiring diagram see page 3

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 %)	

Mechanical data		
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: 2 NC	
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 Plug connector, M12-female plug, 5-pin, A-coded	
Cable entrance	1 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	

ID for safety engineering	
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 (DGVV)
	DIN EN ISO 14119
	DIN EN ISO 13849-1

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

Approvals	
DGVV	(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> <p><b>With its internal wiring, the SLC solenoid interlock presented here is prepared to map a highly coded position monitoring of the protective device in accordance with EN ISO 14119 together with an RFID sensor (Bernstein SRF-2...-H).</b></p>

