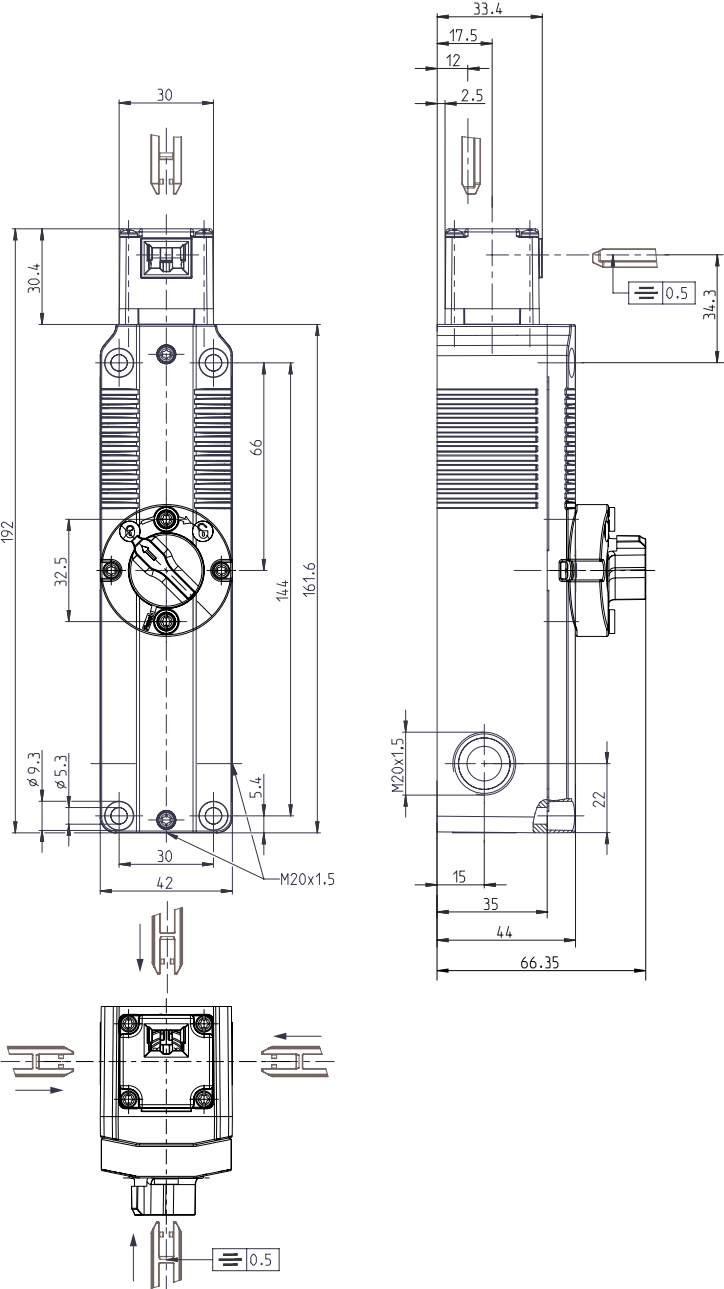
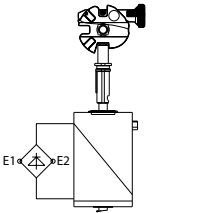
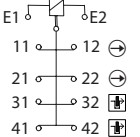
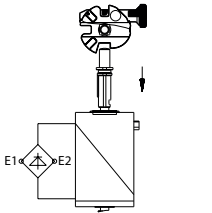
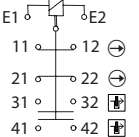
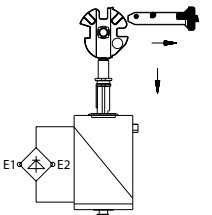
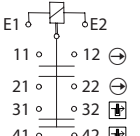


Safety switch Series SLC

Description **SLC-F-024-20/20-R6**

Article number **6018200014**

Position monitoring		The actuator is not included in the scope of delivery. It can only be purchased in conjunction with the safety switch. 
Actuator inserted Protective device interlocked and guard locked  without current 	Actuator inserted Protective device interlocked and not guard locked  with current 	
Actuator withdraw Protective device not interlocked and not guard locked  with or without current 		

Electrical data		
Protection class	II, totally insulated	
Contact elements		
Rated insulation voltage	U _i	250 V
Rated impulse withstand voltage	U _{imp}	2,5 kV
Rated operational voltage	U _e	240 V AC / 24 V AC/DC
Conv. thermal current	I _{the}	5 A
Utilization category acc. to IEC	AC-15, U _e / I _e 240 V / 1,5 A DC-13, U _e / I _e 24 V / 1,5 A; 250 V / 0,11 A	
Utilization category acc. to UL / CSA	B300 R300	
	general use	240 V / 1,5 A
	general use M12 connector	24 V / 1,5 A
Direct opening action	⊕	according to IEC/EN 60947-5-1, Annex K
Short-circuit protective device	4 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	600 / h	
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) emergency unlocking of the front side and auxiliary unlocking of the rear side	
Hold on force	F_{Zh}	1500 N (EN ISO 14119)
Ambient air temperature	-25 °C ... +55 °C	
Contact type	Interlock: 2 NC	
	Guard lock: 2 NC	
Switching principle	4 slow make and break contact elements	
Mechanical life	1 x 10 ⁶ switching cycles	
Assembly	4 x M5	
Connection	Screw connection	
Conductor cross-sections	0,34 ... 1,5 mm ² flexible	
Cable entrance	3 x M20 x 1,5	
Weight	≈ 0,484 kg	
Installation position	operator definable	
Protection type	IP67 acc. to IEC/EN 60529 ; (UL 50 E / CSA C22.2) Type 6 indoor use	

ID for safety engineering	
B10d	2 x 10 ⁶ cycles

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 _{US} B300 (same polarity) / R300
	CCC

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 the event of a power failure, the guard remains locked.	