

Electrical data		
Protection class	II, totally insulated	
Contact elements		
Rated insulation voltage	U _i	30 V
Rated impulse withstand voltage	U _{imp}	800 V
Rated operational voltage	U _e	24 V AC / DC
Conv. thermal current	I _{the}	2 A
Utilization category acc. to IEC	DC-13, U _e / I _e 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	Magnetic force	
Unlocking	a) Spring 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 ⁶ 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	

ID for safety engineering	
B10d	2 x 10 ⁶ 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
	cCSA _{US}

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>In the event of a power failure, the guard does not remains locked.</p>	