

**STP3D-2131A024SM8C2310 (Order no. 109892)**

## Technical data

### Approvals



### Electrical connection values

Fuse	max. 1 A gG	
Power consumption	8 W	
Rated insulation voltage $U_i$	30 V	
Rated impulse voltage $U_{imp}$	1.5 kV	
Utilization category		
	AC-15	1 A 24 V
	DC-13	1 A 24 V
Solenoid operating voltage		
	AC/DC	24 V -15% ... +10%
Solenoid duty cycle	100 %	
Switching voltage		
	min. at 10 mA	12 V
Switching current		
	min. at 24 V	1 mA
thermal rated current $I_{th}$	1 A	

### Mechanical values and environment

Anfahrgeschwindigkeit	max. 20 m/min	
Approach direction	A	
Connection type		
	1 x	Plug connector M12 (8-pin)
Number of door position NC contacts	1	
Number of guard lock monitoring NO contacts	1	

Number of guard lock monitoring positively driven contacts	2
Extraction force	30 N
Actuation frequency	max. 1200 1/h
Actuating force	35 N
Installation orientation	any
Storage temperature	-25 ... 70 °C
Mechanical life	1 x 10 <sup>6</sup>
Retention force	20 N
Switching principle	Slow-action switching contact
Degree of protection	IP67
Ambient temperature	-20 ... 55 °C
Material	
	Housing Reinforced thermoplastic
	Contact Silver alloy, gold flashed
Locking force $F_{max}$	2500 N
Locking force $F_{Zh}$	2000 N
Guard locking principle	Closed-circuit current principle

### Characteristic values according to EN ISO 13849-1 and EN IEC 62061

	B10 <sub>D</sub>	Mission time
Guard lock monitoring	5x10 <sup>6</sup>	20 y
Important! Values valid at DC-13 100 mA/24V		

	PL	Maximum SIL	Category	Mission time
Control of guard locking	Depending on external control of guard locking			20 y

### Miscellaneous

C number	C2310 Plug connector outlet right, insertion funnel
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