

STP3D-2131B024MC2255 (Order no. 104830)

Technical data

Approvals



Electrical connection values

Fuse	max. 4 A gG	
Power consumption	8 W	
Rated insulation voltage U_i	250 V	
Rated impulse voltage U_{imp}	2.5 kV	
Utilization category		
	AC-15	4 A 230 V
	DC-13	4 A 24 V
Solenoid operating voltage		
	DC	24 V -30% ... +25%
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}	4 A	

Mechanical values and environment

Anfahrgeschwindigkeit	max. 20 m/min	
Approach direction	B	
Connection type		
	1 x	Cable connection bottom l=950mm
Number of guard lock monitoring NO contacts	1	
Number of door position positively driven 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
Insertion depth	28.5 mm
Storage temperature	-40 ... 70 °C
Mechanical life	1 x 10 ⁶
Retention force	20 N
Switching principle	Slow-action switching contact
Degree of protection	IP67
Ambient temperature	-40 ... 70 °C (Auxiliary release -20°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 _D	Mission time
Monitoring of the guard position	5x10 ⁶	20 y
	Important! Values valid at DC-13 100 mA/24V	
Guard lock monitoring	5x10 ⁶	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