

STA1A-538A024MFC2413 (Order no. 120332)

Technical data

Approvals



Electrical connection values

Fuse	max. 4 A gG	
Power consumption	8 W	
Connection cross section	0.34 ... 1.5 mm ²	
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	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}	4 A	

Mechanical values and environment

Anfahrsgeschwindigkeit	max. 20 m/min	
Approach direction	A	
Connection type	3 x	M20 x 1.5
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	24.5 mm
Storage temperature	-25 ... 80 °C
Mechanical life	1 x 10 ⁶
Retention force	20 N
Switching principle	Slow-action switching contact
Degree of protection	IP67
Ambient temperature	-20 ... 80 °C
Material	
	Housing Alloy – die-cast
	Contact Silver alloy, gold flashed
Locking force F _{max}	3000 N
Locking force F _{Zh}	2300 N
Guard locking principle	Closed-circuit current principle

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

	B10 _D	Mission time
Guard lock monitoring	1.15x10 ⁷	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	C2413 with partially masked 4131 switching element
Additional feature	flat cover

In combination with actuator ACTUATOR-S-GT-SN

Overtravel

5 mm