

STA1A-538A024MFC2243 (Order no. 105150)

Technical data

Approvals



Electrical connection values

Power consumption	8 W
Connection cross section	0.34 ... 1.5 mm ²
Rated insulation voltage U _i	250 V
Rated impulse withstand voltage U _{imp}	2.5 kV
Utilization category	
	DC-13 4 A 24 V
	AC-15 4 A 230 V
Short circuit protection according to IEC 60269-1	4A gG
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

Approach speed	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
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
Monitoring of guard locking	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	C2243 with actuator-S-G-SN-C2115
Additional feature	flat cover

In combination with actuator ACTUATOR-S-GT-SN

Overtravel	5 mm
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Downloads

All documentation for this material can be found on our website:

<https://www.euchner.de/en-us/a/105150/?#downloads-tab>

Ordering data

Ordernumber	105150
Item designation	STA1A-538A024MFC2243
Gross weight	0,72kg
Customs tariff number	85365019000
ECLASS	27-27-26-03 Safety switch with guard control