

TP1-538A024MC1855 (Order no. 084154)

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
Connection type	
	3 x M20 x 1.5
Number of guard lock monitoring positively driven contacts	2
Extraction force	20 N
Actuation frequency	max. 1200 1/h
Actuating force	10 N

Installation orientation	any
Storage temperature	-25 ... 70 °C
Retention force	10 N
Switching principle	Slow-action switching contact
Degree of protection	IP67
Ambient temperature	-20 ... 55 °C
Material	
	Contact Silver alloy, gold flashed
	Housing Reinforced thermoplastic
Locking force $F_{\max}$	1300 N
Locking force F_{Zh}	1000 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	3x10 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

Miscellaneous

C number	C1855 incl. actuator-P-G
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In combination with actuator ACTUATOR-P-GNT

Horizontal overtravel	7 mm
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In combination with actuator ACTUATOR-P-GT

Horizontal overtravel	2 mm
Vertical overtravel	1.5 mm

Downloads

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

<https://www.euchner.de/en-us/a/084154/?#downloads-tab>

Ordering data

Ordernumber	084154
Item designation	TP1-538A024MC1855
Gross weight	0,491kg
Customs tariff number	85365019000
ECLASS	27-27-26-03 Safety switch with guard control