

TP4-4141M110M (Order no. 112593)

Technical data

Approvals



Electrical connection values

Fuse	max. 4 A gG	
Power consumption	10 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	110 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

Anfahrgeschwindigkeit	max. 20 m/min	
Approach direction	M	
Connection type		
	3 x	M20 x 1.5
Number of door position positively driven contacts	2	
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
Mechanical life	1 x 10 ⁶
Retention force	10 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}	1300 N
Locking force F_{Zh}	1000 N
Guard locking principle	Open-circuit current principle

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

	B10 _D	Mission time
Monitoring of the guard position	3x10 ⁶	20 y
	Important! Values valid at DC-13 100 mA/24V	
Guard lock monitoring	3x10 ⁶	20 y
	Important! Values valid at DC-13 100 mA/24V	

In combination with actuator ACTUATOR-P-GT

Horizontal overtravel	2 mm
Vertical overtravel	1.5 mm

In combination with actuator ACTUATOR-P-GNT

Horizontal overtravel	7 mm
-----------------------	------