TP4-4141N110M (Order no. 112625)

Technical data

Approvals

Electrical connection values

Fuse	max. 4 A gG
Power consumption	10 W
Connection cross section	0.34 … 1.5 mm²
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	N
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	
Contact	Silver alloy, gold flashed
Housing	Reinforced thermoplastic
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–GNT

Horizontal overtravel	7 mm
Vertical overtravel	7 mm

In combination with actuator ACTUATOR–P–GT

Horizontal overtravel	2 mm