

**TP4-2131C024M (Order no. 114583)**

## Technical data

### Approvals



### Electrical connection values

Power consumption	8 W
Connection cross section	0.34 ... 1.5 mm <sup>2</sup>
Rated insulation voltage U <sub>i</sub>	250 V
Rated impulse voltage U <sub>imp</sub>	2.5 kV
Utilization category	
	DC-13 4 A 24 V
	AC-15 4 A 230 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

### Mechanical values and environment

Anfahrgeschwindigkeit	max. 20 m/min
Approach direction	C
Connection type	
	3 x M20 x 1.5
Number of door position NC contacts	1
Number of guard lock monitoring NO contacts	1
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 <sup>6</sup>	
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 <sub>D</sub>	Mission time
Guard lock monitoring	3x10 <sup>6</sup>	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

Vertical overtravel	7 mm
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