

**TK1-4131AB024MC2351 (Order no. 112744)**

## Technical data

### Approvals



### Electrical connection values

Fuse	max. 4 A gG	
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		
	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 <sub>th</sub>	4 A	

### Mechanical values and environment

Approach direction	A	
Connection type		
	3 x	M20 x 1.5
Number of guard lock monitoring NO contacts	2	
Number of guard lock monitoring positively driven contacts	2	
Actuation frequency	max. 1200 1/h	

Installation orientation	any
Storage temperature	-25 ... 70 °C
Mechanical life	1 x 10 <sup>6</sup>
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 <sub>max</sub>	5000 N
Guard locking principle	Closed-circuit current principle

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

	B10 <sub>D</sub>	Mission time
Guard lock monitoring	2x10 <sup>6</sup>	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	C2351	Plunger length adapted
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