

TK1-4131AB024MC2299 (Order no. 109362)

Technical data

Approvals



Electrical connection values

Fuse	max. 4 A gG
Power consumption	
briefly during the switch-on process	60 W (at rated voltage)
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	
	DC-13 4 A 24 V
	AC-15 4 A 230 V
Solenoid operating voltage	
	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

Approach direction	A
Connection type	
	1 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 10⁶

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} 5000 N

Guard locking principle Closed-circuit current principle

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

	B10 _D	Mission time
Guard lock monitoring	2x10 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

C2299