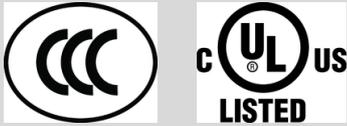


**TK1-4131A024MC2405 (Order no. 119761)**

## 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 <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	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	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 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  $F_{max}$  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

C2405 with closed cover, plastic slide bearing, chamfered guard locking pin (120461), without auxiliary release, with pulsing + hard spring