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 mm²
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 10^6
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		
	C2405	with closed cover, plastic slide bearing, chamfered guard locking pin (120461), without auxiliary release, with pulsing + hard spring