STP-TW-3A-2131AC024SR11-S1 (Order no. 110174)

Technical data

Approvals

Electrical connection values

Fuse		max. 4 A gG
Power consumption		8 W
Rated insulation voltage U_i		50 V
Rated impulse voltage U_{imp}		1.5 kV
Utilization category		
	DC-13	4 A 24 V
	AC-15	4 A 50 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_{th}		4 A

Mechanical values and environment

Anfahrgeschwindigkeit		max. 20 m/min
Approach direction		A and C (two actuating heads)
Connection type		
	1 x	Plug connector SR11 (11-pin + PE (not connected))
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		30 N
Actuation frequency		max. 1200 1/h
Actuating force		35 N
Installation orientation		any
Insertion depth		24.5 mm
Storage temperature		–25 … 70 °C
Mechanical life		1 x 10^6
Retention force		20 N
Switching principle		Slow-action switching contact
Degree of protection		IP65
Ambient temperature		–20 … 55 °C
Material		
	Housing	Reinforced thermoplastic
	Contact	Silver alloy, gold flashed
Locking force F_{max}		2500 N
Locking force F_{Zh}		2000 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	$4.5x10^6$	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

In combination with actuator ACTUATOR-S-GT-SN

Overtravel	5 mm