STP-TW-4A-4141AC024SM8C1986 (Order no. 111542)

Technical data

Approvals

Electrical connection values

Fuse		max. 1 A gG
Power consumption		8 W
Rated insulation voltage U_i		30 V
Rated impulse voltage U_{imp}		1.5 kV
Utilization category		
	DC-13	1 A 24 V
	AC-15	1 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_{th}		1 A

Mechanical values and environment

Anfahrgeschwindigkeit		max. 20 m/min
Approach direction		A and C (two actuating heads)
Connection type		
	1 x	Plug connector M12 (8-pin)
Number of door position positively driven contacts		2

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	
Contact	Silver alloy, gold flashed
Housing	Reinforced thermoplastic
Locking force F_{max}	2500 N
Locking force F_{Zh}	2000 N
Guard locking principle	Open−circuit current principle

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

	$B10_D$	Mission time
Monitoring of the guard position	$4.5x10^6$	20 y
	Important! Values valid at DC−13 100 mA/24V	
Guard lock monitoring	$4.5x10^6$	20 y
	Important! Values valid at DC−13 100 mA/24V	

Miscellaneous

C number	
C1986	customer−specific wiring