

STP-BI-3A-4121A024SR11C2240 (Order no. 105533)

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

DC 24 V -15% ... +10%

Solenoid duty cycle	100 %
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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

Anfahrsgeschwindigkeit	max. 20 m/min
Approach direction	A
Connection type	
	1 x Plug connector SR11 (11-pin + PE (not connected))
Number of door position NC contacts	1
Number of door position 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	BiState

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

	PL	Maximum SIL	PFH _D	Category	Mission time
Control of guard locking	PL b	–	4.23x10 ⁻⁶	b	20 y

	B10 _D	Mission time
Guard lock monitoring	3x10 ⁶	20 y
Important! Values valid at DC-13 100 mA/24V		

Miscellaneous

C number	
C2240	Plug connector in monoblock design, M20 x 1.5, not adjusted