

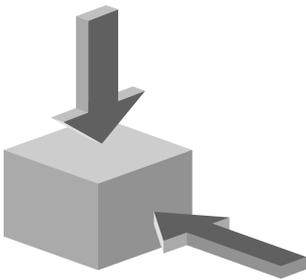
STP4A-4131A024SR11 (Order no. 111259)

Safety switch STP, plug connector SR11, with door monitoring contact

- ▶ Actuating head made of metal
- ▶ Auxiliary release on the front
- ▶ With door monitoring contact



Approach direction



Horizontal and vertical
Can be adjusted in 90° steps

Solenoid operating voltage

- ▶ AC/DC 24 V +10%, -15%

Guard locking type

STP4 Open-circuit current principle, guard locking by applying voltage to the guard locking solenoid.
Release by spring force.

Switching element

4131 Slow-action switching contact 2 NC \ominus + 1 NO + 1 NO (door monitoring contact)

Auxiliary release

This is used for releasing the guard locking with the aid of a tool. To protect against tampering, the auxiliary release is sealed with sealing lacquer.

Technical data

Approvals



Electrical connection values

Fuse	max. 4 A gG	
Power consumption	8 W	
Connection cross section	0.34 ... 1.5 mm ²	
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	
Connection type		
	1 x	Plug connector SR11 (11-pin)
Number of door position NO 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	Open-circuit current principle

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

	B10 _D	Mission time
Guard lock monitoring	5x10 ⁶	20 y
	Important! Values valid at DC-13 100 mA/24V	

In combination with actuator ACTUATOR-S-GT-SN

Overtravel	5 mm
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