

STP-BI-3A-4141A024SR11C2240 (Order no. 112371)

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 % | |
| 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 + PE (not connected)) |
| 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 | |
| | 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 |
|----------------------------------|---|--------------|
| Monitoring of the guard position | 3x10 ⁶ | 20 y |
| | Important! Values valid at DC-13 100 mA/24V | |
| Guard lock monitoring | 3x10 ⁶ | 20 y |
| | Important! Values valid at DC-13 100 mA/24V | |