

**STP3A-4141A024SR11C2240 (Order no. 109926)**

## 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            |               |                    |
|                                 | AC-15         | 4 A 50 V           |
|                                 | DC-13         | 4 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 $I_{th}$  | 4 A           |                    |

### Mechanical values and environment

|  |               |  |
|--|---------------|--|
| Anfahrgeschwindigkeit                                      | max. 20 m/min |  |
| Approach direction   | A             |  |
| Connection type  |               |  |
|  | 1 x           | Plug connector SR11<br>(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 <sup>6</sup>                |
| 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 <sub>max</sub> | 2500 N                             |
| Locking force F <sub>Zh</sub>  | 2000 N                             |
| Guard locking principle        | Closed-circuit current principle   |

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

|                                  | B10 <sub>D</sub>                            | Mission time |
|----------------------------------|---|--------------|
| Monitoring of the guard position | 5x10 <sup>6</sup>                           | 20 y         |
|                                  | Important! Values valid at DC-13 100 mA/24V |              |
| Guard lock monitoring            | 5x10 <sup>6</sup>                           | 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         |