

**TZ1LE024MVAB-F (Order no. 095904)**

## Technical data

### Approvals



### Operating and display elements

LED display

Operating voltage corresponds to the solenoid voltage  
(2 LEDs; green, red)

### Electrical connection values

Fuse	max. 4 A gG (>70 °C => 2 A gG)
Power consumption	10 W
Connection cross section	0.34 ... 1.5 mm <sup>2</sup>
Rated insulation voltage $U_i$	250 V
Rated impulse voltage $U_{imp}$	2.5 kV
Utilization category	
	DC-13 4 A 24 V (>70 °C => 2 A)
	AC-15 4 A 230 V (>70 °C => 2 A)
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 (>70 °C => 2 A)

### Mechanical values and environment

Anfahrgeschwindigkeit	max. 20 m/min
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Approach direction

Actuating head left C

Connection type	
	1 x M20 x 1.5
Number of door position NO contacts	1
Number of guard lock monitoring NO contacts	2
Number of door position positively driven contacts	3
Number of guard lock monitoring positively driven contacts	2
Extraction force	30 N
Actuation frequency	max. 1200 1/h
Actuating force	35 N
Lid	red
Installation orientation	any
Insertion depth	52 mm
Storage temperature	-25 ... 80 °C
Mechanical life	1 x 10 <sup>6</sup>
Retention force	10 N
Switching principle	Slow-action switching contact
Degree of protection	IP67
Ambient temperature	-25 ... 80 °C
Material	
Contact	Silver alloy, gold flashed
Housing	Anodized die-cast alloy
Locking force $F_{max}$	2000 N
Locking force $F_{Zh}$	1500 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	3x10 <sup>6</sup>	20 y