

STP-TW-4A-4141AC024L024M (Order no. 103636)

STP safety switch TWIN, cable entry M20 x 1.5, contacts for door position

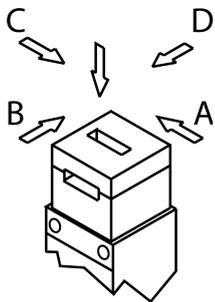
- ▶ TWIN function (two actuating heads)
- ▶ 3 x cable entry M20 x 1.5
- ▶ Contacts for the door position
- ▶ Auxiliary release
- ▶ LED indicator
- ▶ Open-circuit current principle



Version TWIN

The switch has two actuating heads. They enable two movable guards to be secured at the same time.

Approach direction



Horizontal and vertical

Can be adjusted in 90° steps

Increased overtravel for horizontal approach direction

If increased play is required when the door is closed, an actuator with overtravel is available. With this actuator the door can move slightly in the actuating direction when closed. This is important, for example, if safety doors have a rubber end stop. Using an actuator with overtravel, the continuous pressure from the compressed rubber can be reduced. In this way the load is reduced on the switch head and the door mechanism.

LED indicator

The switch has two freely assignable LED indicators (red and green).

Guard locking principle

Open-circuit current (power on to lock): On a guard with guard locking based on the open-circuit current principle, the guard is locked until the power supply to the guard locking solenoid is interrupted. Unlocking is by spring force. The term electrical guard locking is also used.

Switching element

4141 Slow-action switching contact

Contacts for guard locking: 2 positively driven contacts 

Contacts for door monitoring: 2 positively driven contacts 

Auxiliary release

The auxiliary release on the front makes it possible to access the machine if there is a malfunction, e.g. a power failure. Unlocking is performed using a tool or a key. The auxiliary release must be protected against misuse (sealing, lacquer).

Auxiliary key release

Additional lock on the switch head. Same function as auxiliary release. The position of the mechanical key release is displayed in the viewing window.

Scope of delivery

Two keys for mechanical key release are included in the scope of delivery.

Accessories required

Actuator is not included.

Technical data

Approvals



Electrical connection values

Fuse	max. 4 A gG	
Power consumption	8 W	
Connection cross section	0.34 ... 1.5 mm ²	
Display module	24 V -15% ... +10%	
Rated insulation voltage U_i	250 V	
Rated impulse voltage U_{imp}	2.5 kV	
Utilization category		
	DC-13	4 A 24 V
	AC-15	4 A 230 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

Anfahrsgeschwindigkeit	max. 20 m/min	
Approach direction	A and C (two actuating heads)	
Connection type		
	3 x	M20 x 1.5
Number of door position positively driven contacts	2	