

ITEM 100850 STP-TW-4A-2131AC024M-S1

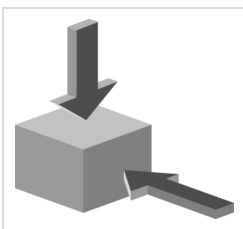
| Description | Technical data | Accessories | Downloads |
|-------------|----------------|-------------|-----------|
|-------------|----------------|-------------|-----------|



Features

- › Actuating heads made of metal
- › Simultaneous monitoring of two safety doors
- › Auxiliary release on the front
- › Auxiliary key release (identical locking)
- › With door monitoring contact

Approach direction



› Figure

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

2131 Slow-action switching contact 2 NC ⊕ + 1 NO + 1 NC (door monitoring contact)

Auxiliary release

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.

Mechanical key release

Additional lock on the switch head. Function as for auxiliary release. The mechanical key release setting is indicated in the window. Two keys are included.

Approvals



Mechanical values and environment

| | |
|--|---------------------|
| Ambient temperature | -20 ... 55 °C |
| Mechanical life | 1 x 10 ⁶ |
| Number of door position NC contacts | 1 |
| Number of guard lock monitoring positively driven contacts | 2 |
| Number of guard lock monitoring NO contacts | 1 |
| Actuation frequency | 1200 1/h |
| Locking force F _{max} | 2500 N |
| Locking force F _{Zh} | 2000 N |
| Retention force | 20 N |
| Extraction force | 30 N |
| Actuating force | 35 N |
| Insertion depth | min.24,5 mm |

Electrical connection ratings

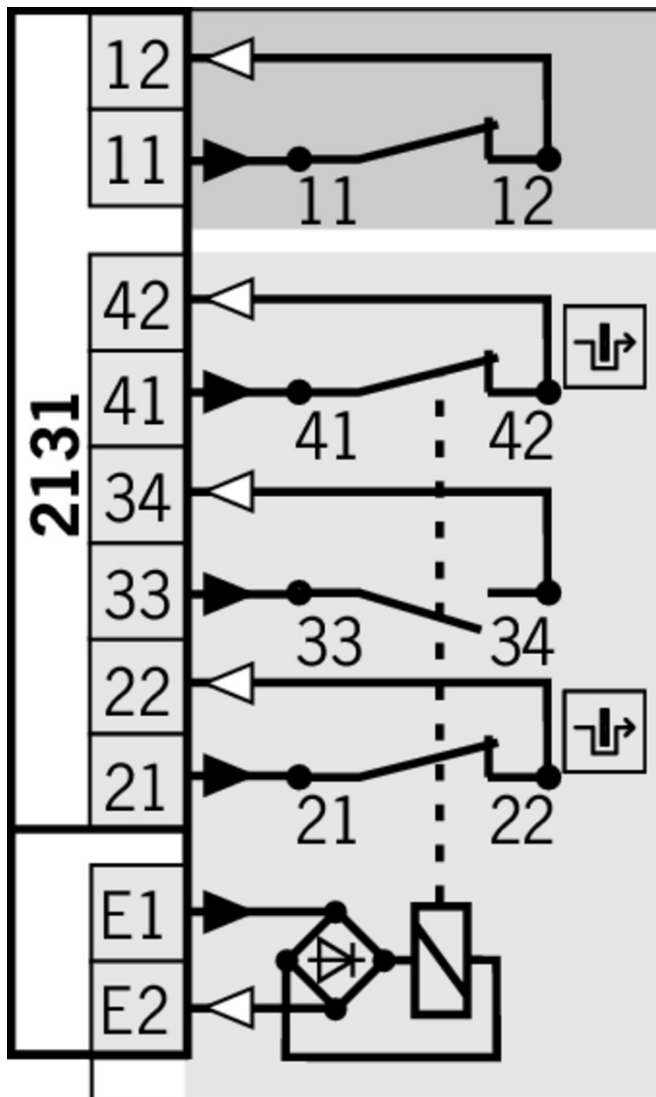
| | |
|---------------------------------------|-----|
| Rated thermal current I _{th} | 4 A |
|---------------------------------------|-----|

| | |
|--|------------------------------|
| Utilization category according to EN 60947-5-1 | AC-15 DC-13 |
| Rated insulation voltage U_i | 250 V |
| Rated impulse withstand voltage U_{imp} | 2,5 kV |
| Power consumption | 8 W |
| Solenoid duty cycle | 100 % |
| Connection cross-section | 0,34 ... 1,5 mm ² |

in combination with Actuator BETAETIGER-S-GT-SN

Mechanical values and environment

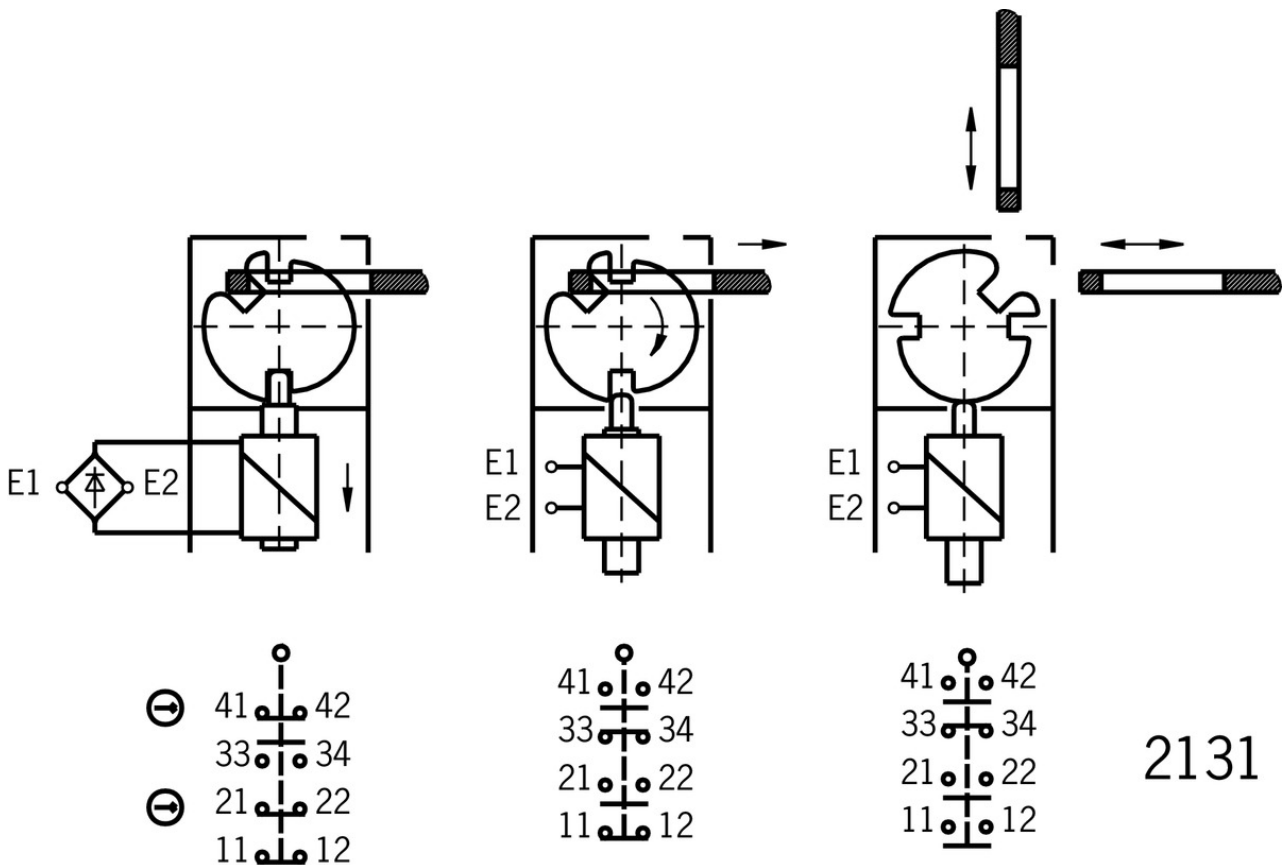
| | |
|------------|------|
| Overtravel | 5 mm |
|------------|------|



Legende

- Solenoid monitoring
- Door monitoring

Switching functions



Actuator

- ✓ Hinged actuator S left/right for safety switches SGA/SGP/STA/STP/STM



096838 RADIUSBETAETIGER-S-LR-SN

✓ Features

- › Actuators made of stainless steel
- › Two safety screws included
- › For doors hinged on right and left

- ✓ Hinged actuator S top/bottom for safety switches SGA/SGP/STA/STP/STM



095315 RADIUSBETAETIGER-S-OU-SN

✓ Features

- › Actuators made of stainless steel
- › Two safety screws included
- › For doors hinged at top and bottom

- ✓ Actuator S, bent, for safety switches SGA/SGP/STA/STP/STM



095740 BETAETIGER-S-WQT-SN

✓ Features

- › Two safety screws included



115073 BETAETIGER-S-W-SN-C2115

▼ Features

- › Two stainless safety screws per actuator
- › Minimum door radius 300 mm



105808 BETAETIGER-S-WT-SN-C2115

▼ Features

- › Two stainless safety screws per actuator
- › Actuators with rubber bushings
- › Minimum door radius 300 mm

▼ Actuator S for safety switches SGA/SGP/STA/STP/STM



097861 BETAETIGER-S-G-SN-C2115

▼ Features

- › Two safety screws included
- › Physically compatible with TP actuator P-G



095738 BETAETIGER-S-GT-SN

▼ Features

- › Two safety screws included
- › Actuators with rubber bushings

▼ Actuator L, bent, for safety switches SGA/SGP/STA/STP/STM for insertion funnel



105809 BETAETIGER-S-WT-LN-C2115

▼ Features

- › Two stainless safety screws per actuator
- › Actuators with rubber bushings
- › Minimum door radius 300 mm

Function expansion

▼ Emergency unlocking for safety switches CTP/TP/STP



099877 NOTENTSPERRUNG TP/STP

▼ Built-in LED



095510 EINBAULEUCHTE LED-F M20X1,5



087423 EINBAULEUCHTE LED M20X1,5

▼ Lock for auxiliary release for safety switches CTP/TP/STP



084177 SCHLOSS TP VERSCHIEDENSCHLIESSEND

▼ Features

- › Lock unique locking
- › Key removable in “unlocked” and “locked” positions



086236 SCHLOSS TP GLEICHSCHLIESSEND

▼ Features

- › Identical locking
- › Key removable in “unlocked” and “locked” positions



109212 SCHLOSS TP GLEICHSCHLIESSEND C2293

▼ Features

- › Identical locking
- › Key can be removed only in “locked” position

▼ LED set



098035 STP LED SET

▼ Release with automatic reset for safety switches CTP/TP/STP



103110 ENTRIEGELUNG RUECKSTELLEND TP/STP

▼ Handle for wire front release



099795 AY-HDL-099795

▼ Features

- › Suitable for all wire front releases

▼ Lockout bar STA/STP/SGA/SGP/STM



105701 SPERREINSATZ STP/STA

▼ Features

- › Prevents unintentional closing of the door
- › Can be secured with padlocks

▼ Handle for escape release for safety switches TP/STP/STA



105329 FE-GRIFF

▼ Wire front release



096230 AE-B-A1-02,0-096230

▼ Features

- › Can be used as escape release or emergency unlocking
- › No automatic return

- › Sheath length 2 m (rope length 6 m)



098314 AE-B-A1-04,0-098314

✓ Features

- › Can be used as escape release or emergency unlocking
- › No automatic return
- › Sheath length 4 m (rope length 6 m)



124770 AE-B-A1-06,0-F-124770

✓ Features

- › Can be used as escape release or emergency unlocking
- › automatic return
- › Rope length 6 m (without sheath)



125582 AE-B-A1-06,0-125582

✓ Features

- › Can be used as escape release or emergency unlocking
- › No automatic return
- › Rope length 6 m (without sheath)



098313 AE-B-A1-03,0-098313

✓ Features

- › Can be used as escape release or emergency unlocking
- › No automatic return
- › Sheath length 3 m (rope length 6 m)



111233 AE-B-A1-03,0-F-111233

✓ Features

- › Can be used as escape release or emergency unlocking
- › automatic return
- › Sheath length 3 m (rope length 6 m)



097747 AE-B-A1-02,0-F-097747

✓ Features

- › Can be used as escape release or emergency unlocking
- › automatic return
- › Sheath length 2 m (rope length 6 m)

Spare parts

- ✓ Replacement key for mechanical key release



099434 ERSATZSCHLUESSEL GLEICHSCHL.0354

Connection material

▼ Cable glands M20x1.5



086233 EKPM20/06 086233

Instructions

▼ Istruzioni di impiego Finecorsa di sicurezza STP-TW... (Twin)

| | Doc. no. | Version | Language | Download |
|---|----------|----------|----------|----------|
| Betriebsanleitung Sicherheitsschalter STP-TW... (Twin) | 2100047 | 07-01/18 | | 5.9 MB |
| Operating Instructions Safety Switch STP-TW... (Twin) | | | | |
| Manual de instrucciones Interruptores de seguridad STP-TW... (Twin) | | | | |
| Mode d'emploi Interrupteur de sécurité STP-TW... (Twin) | | | | |
| Istruzioni di impiego Finecorsa di sicurezza STP-TW... (Twin) | 2100047 | 07-01/18 | | 1.5 MB |

Catalogs












▼ Bezpečnostní spínače s plastovým pouzdem Sicherheitsschalter mit Kunststoffgehäuse Safety Switches with Plastic Housing Interruptores de seguridad con carcasa plástica Interrupteurs de sécurité avec boîtier plastique 塑料壳体 的安全开关

| | Doc. no. | Version | Language | Download |
|--|----------|----------|----------|----------|
| Sicherheitsschalter mit Kunststoffgehäuse | 096955 | 11-03/18 | | 6.6 MB |
| Interrupteurs de sécurité avec boîtier plastique | 100677 | 11-03/18 | | 6.6 MB |
| Interruptores de seguridad con carcasa plástica | 104855 | 11-03/18 | | 6.6 MB |
| Bezpečnostní spínače s plastovým pouzdem | 121649 | 11-03/18 | | 6.6 MB |
| Safety Switches with Plastic Housing | 096956 | 11-03/18 | | 6.6 MB |
| 塑料壳体 的安全开关 | 116243 | 11-03/18 | | 6.2 MB |

Declaration of conformity

▼ EU prohlášení o shodě

| | Doc. no. | Version | Language | Download |
|-------------------------------|----------|----------|----------|----------|
| EU-Konformitätserklärung | 2077153 | 25-02/17 | | 0.3 MB |
| Declaración UE de conformidad | | | | |
| Déclaration UE de conformité | | | | |
| Dichiarazione di conformità | | | | |
| EU declaration of conformity | | | | |

| | | | | |
|---------------------------------|---------|----------|---|---|
| EU prohlášení o shodě | 2077153 | 25-02/17 |  |  0.5 MB |
| EU-overensstemmelseserklæring | | |  | |
| Δήλωση συμμόρφωσης της ΕΕ | | |  | |
| EU-vaatimustenmukaisuusvakuutus | | |  | |
| EU-típusbizonyítvány | | |  | |
| EU-conformiteitsverklaring | | |  | |
| Deklaracja zgodności UE | | |  | |
| Declaração de Conformidade UE | | |  | |
| Declarația de conformitate UE | | |  | |
| EÚ vyhlásenie o zhode | | |  | |

CAD data

CAD data for this item on TraceParts