ITEM 059305 TZ2RE024SR6-C1662

Description	Technical data	Accessories	Downloads

Features

- Without auxiliary release
- Two LED indicators, red and green
- Plug connector for switch connection
- Plug connector for enabling switch
- Actuating head fitted right

Solenoid operating voltage and LED function display

- 24 V AC/DC -15%, +10%

Guard locking type

TZ2   Open-circuit current principle, guard locking by applying voltage to the solenoid. Release by spring force.

Switching element

SK   For monitoring the door/actuator position
ÜK   For monitoring the guard locking (built-in solenoid)
528H   Slow-action switching contact 1 NC⊖ + 1 NO

Approvals

EAC

Mechanical values and environment

Housing material	Anodized die-cast alloy
Weight	
Net	1,2 kg
Ambient temperature	-25 ... 80 °C
Degree of protection	IP65
Mechanical life	1×10^6
Contact material	Silver alloy, gold flashed
Switching principle	Slow-action switching contact
Installation position	Any
Number of door position positively driven contacts	1
Number of door position NO contacts	1
Number of guard lock monitoring positively driven contacts	1
Number of guard lock monitoring NO contacts	1
Connection	
1 x	Plug connector SR6 [1]
Approach speed	max.20 m/min
Actuation frequency	1200 1/h
Guard locking principle	Open-circuit current principle
Locking force F_{max}	2000 N
Locking force F_{Zh}	1500 N
Retention force	10 N
Extraction force	30 N
Actuating force	35 N
Insertion depth	min.52 mm
Cover lid	Black

Electrical connection ratings

Rated thermal current I_{th}	4 A [2]
Utilization category according to EN 60947-5-1	
AC-15	4A 230V [3]
DC-13	4A 24V [4]
Solenoid operating voltage	
AC/DC	24 V -15% ... +10%

Short circuit protection according to IEC 60269-1	
(Fuse)	4A gG [5]
Rated insulation voltage U_i	250 V
Rated impulse withstand voltage U_{imp}	2,5 kV
Switching voltage	
Min. at 10mA	12 V
Switching current	
Min. at 24V	1 mA
Power consumption	10 W
Solenoid duty cycle	100 %
LED indicator	Operating voltage corresponds to the solenoid voltage [6]

Miscellaneous

C number	
C1662	Without mechanical release with connection for enabling switch (BD4)

Reliability values acc. to EN ISO 13849-1

	Monitoring of guard locking and the safety guard position
$B10_D$	3×10^6

in combination withActuator BETAETIGER-Z-G

Mechanical values and environment

Overtravel	4 mm

in combination withActuator BETAETIGER-Z-GN

Mechanical values and environment

Overtravel	16 mm

[1] 6-pin + PE

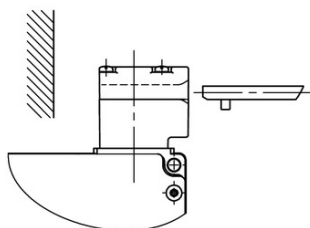[2, 3, 4] >70°C => 2A

[5] > 70°C => 2A gG

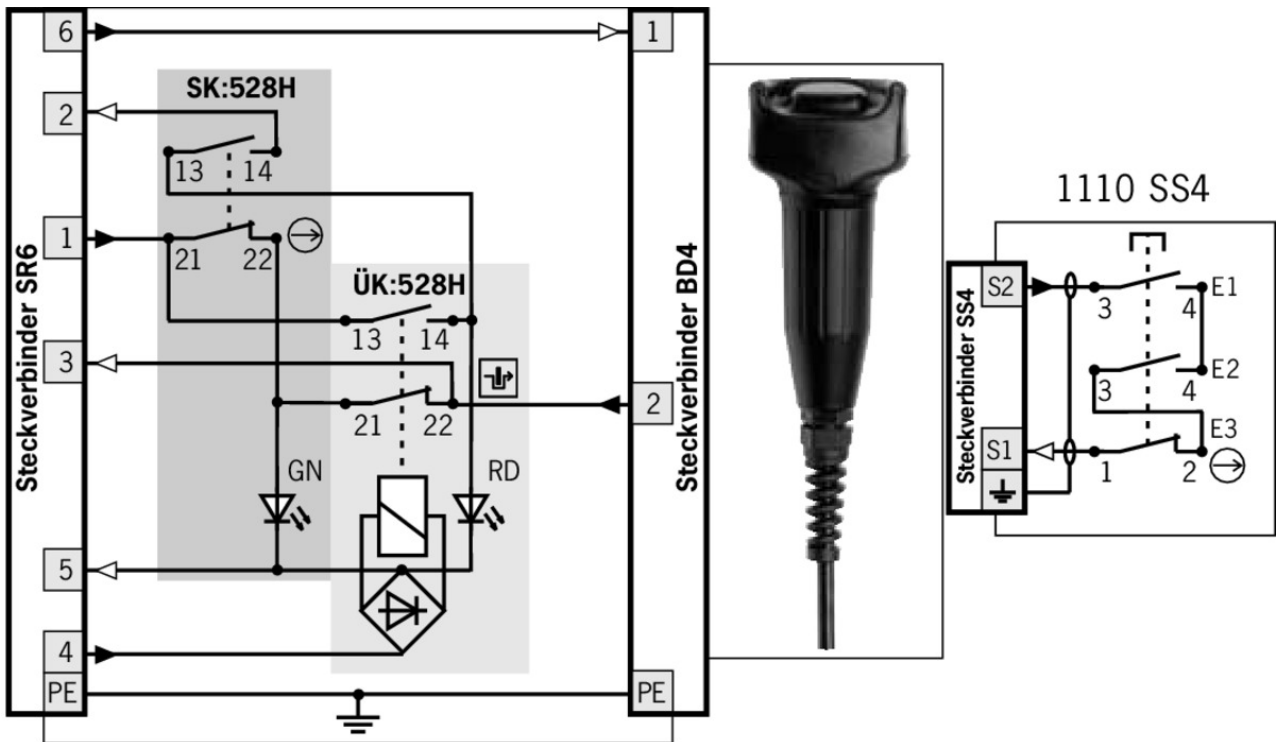[6] 2 LEDs; green, red

Dimension drawing

TZ.L...
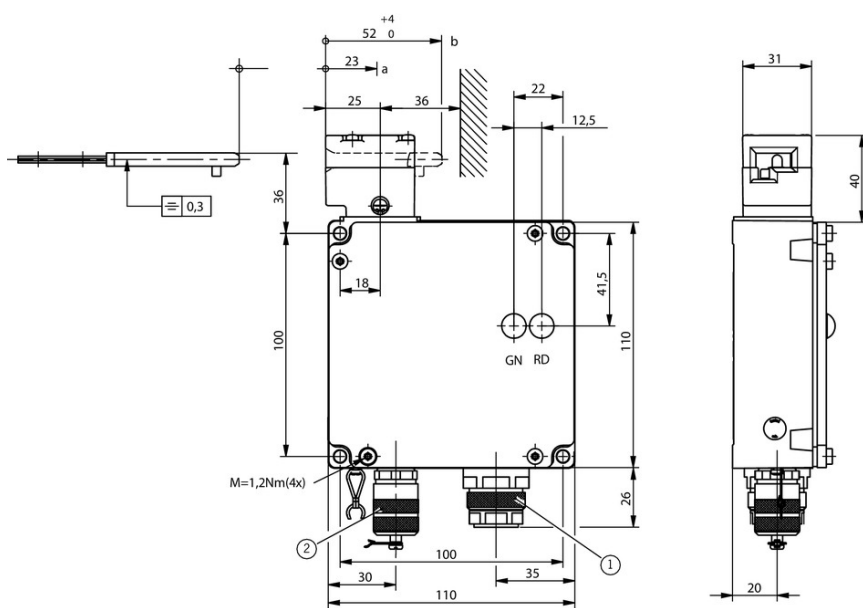
TZ.R...

Legende
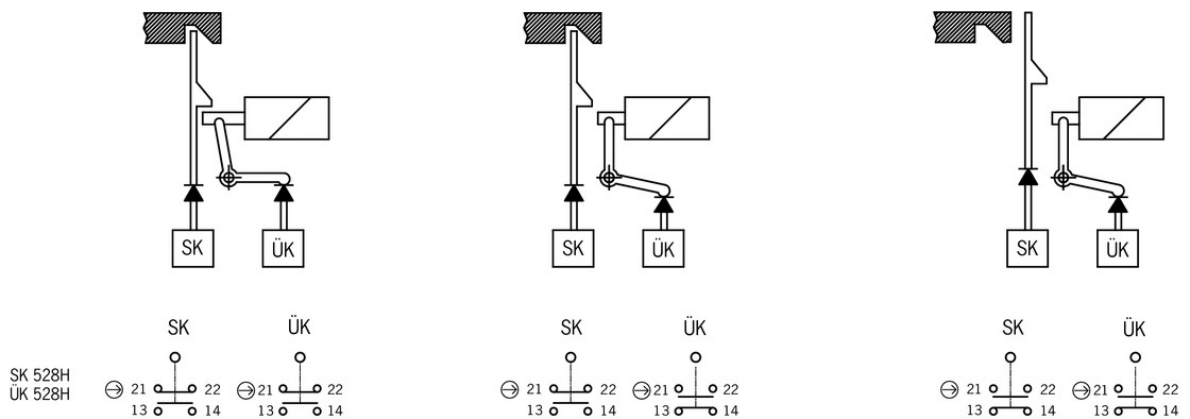
1 Plug connector SR6

2 Connection for enabling switch

SK: 528H / ÜK: 528H

Legende

Enabling switch ZSA2B2G..C1662 with plug SS4

Solenoid monitoring

Door monitoring

Switching functions

Function expansion

☑ Lockout mechanism NZ.VZ/TZ, 3 holes

091305 SPERREINSATZ MIT KETTE

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

046730 SPERREINSATZ-Z-046730
Features
- › Prevents unintentional closing of the door
- › Can be secured with padlocks

Lockout mechanism NZ.VZ/TZ, 5 holes

086538 SPERREINSATZ-Z-086538
Features
- › Prevents unintentional closing of the door
- › Can be secured with padlocks

Protective plate NZ.VZ/TZ

059136 SCHUTZBLECH NZ/TZ

Adapter NZ/TZ 45/30

079033 ADAPTER NZ/TZ 45/30
Features
- › The adapter NZ/TZ 45/30 is used to compensate for different profiles, doors/frame 45/30

Connection material

Connection cable with plug connector SR6, 5m

077632 C-M26F07-07X1,0PU05,0-MA-077632
Features
- › Female plug SR6, 6-pin + PE
- › Straight plug connector
- › PUR cable
- › Cable length 5 m
- › With flying lead

Connection cable with plug connector SR6, 10m

077633 C-M26F07-07X1,0PU10,0-MA-077633
Features
- › Female plug SR6, 6-pin + PE
- › Straight plug connector
- › PUR cable
- › Cable length 10 m
- › With flying lead

Plug connector SR6

013176 SR6EF
⌄ Features
- › Crimp contacts
- › Coding shells

087180 SR6AM2-M20
⌄ Features
- › Crimp contacts
- › Male socket

024999 SR6WFPG11R
⌄ Features
- › Socket crimp contacts
- › 6-pin+PE
- › Contact carrier can be adjusted in 7 outlet directions

013178 SR6K
⌄ Features
- › Coding for plug connector SR6
- › Coding shells

Connection cable with plug connector SR6, 15m

077634 C-M26F07-07X1,0PU15,0-MA-077634
⌄ Features
- › Female plug SR6, 6-pin + PE
- › Straight plug connector
- › PUR cable
- › Cable length 15 m
- › With flying lead

Connection cable with plug connector SR6, 5m, angled

077638 C-R22F07-07X1,0PU05,0-MA-077638
⌄ Features
- › Female plug SR6, 6-pin + PE
- › Angled plug connector
- › PUR cable
- › Cable length 5 m
- › With flying lead

Connection cable with plug connector SR6, 10m, angled

077639 C-R22F07-07X1,0PU10,0-MA-077639
⌄ Features
- › Female plug SR6, 6-pin + PE
- › Angled plug connector
- › PUR cable

- Cable length 10 m
- With flying lead

Connection cable with plug connector SR6, 15m, angled

077640 C-R22F07-07X1,0PU15,0-MA-077640

Features

- Female plug SR6, 6-pin + PE
- Angled plug connector
- PUR cable
- Cable length 15 m
- With flying lead

Connection cable with plug connector SR6, 20m

098128 C-M26F07-07X1,0PU20,0-MA-098128

Features

- Female plug SR6, 6-pin + PE
- Straight plug connector
- PUR cable
- Cable length 20 m
- With flying lead

Replacement crimp contacts for female connector RC18

094309 CRIMPKONTAKT BUCHSE RCF

Features

- 19 crimp sockets
- Conductor cross-section 19 x 0.75 - 1 mm²
- For plug connector RC18

Replacement crimp contacts for female connector RC18 with option C1825

094310 CRIMPKONTAKT BUCHSE RCF-C1825

Features

- 19 crimp sockets
- Conductor cross-section 16 x 0.25 - 0.5 mm² and 3 x 0.75 - 1 mm²
- For plug connector RC18..C1825

Female plug RC18 straight

074616 RC18EF

Features

- Plug connector M23, straight
- Number of pins: 19-pin with screen bonding clamp

Female plug RC18 angled

074617 RC18WF

Features

> Plug connector M23, angled
> Number of pins: 19-pin with screen bonding clamp

Female plug RC18 straight with option C1825

077025 RC18EF-C1825
Features
> Plug connector M23, straight
> Number of pins: 19-pin with screen bonding clamp

Connection cable with plug connector M23 with option C1825, 3m, straight

092816 C-M23F19-19XDIFPU03,0-MA-092816
Features
> M23 plug connector, 18-pin + PE
> Straight plug connector
> PUR cable
> Cable length 3 m
> With flying lead
> Cores color-coded

Female connector RC18 angled with option C1825

077026 RC18WF-C1825
Features
> Plug connector M23, angled
> Number of pins: 19-pin with screen bonding clamp

Connection cable with plug connector M23 with option C1825, 6m, straight

077014 C-M23F19-19XDIFPU06,0-MA-077014
Features
> M23 plug connector, 18-pin + PE
> Straight plug connector
> PUR cable
> Cable length 6 m
> With flying lead
> Cores color-coded

Connection cable with plug connector M23 with option C1825, 1.5m, straight

092761 C-M23F19-19XDIFPU01,5-MA-092761
Features
> M23 plug connector, 18-pin + PE
> Straight plug connector
> PUR cable
> Cable length 1.5 m
> With flying lead
> Cores color-coded

Bolt

Bolt BTC-TZ00... without escape release for safety switch TZ

106278 BTC-TZ00-A-TH-00-X

Features

- Aluminum bolt
- For doors hinged on the right
- Can be locked in open position with padlocks
- Actuator included

Bolt BTC-TZ00... with escape release for safety switch TZ

106279 BTC-TZ00-A-TH-01-F

Features

- Aluminum bolt
- For doors hinged on the right
- Lever for escape release from the danger area
- Pushbutton in open position
- Can be locked in open position with padlocks
- Actuator included

Bolt TZ-A... for safety switches TZ

079798 RIEGEL TZ-A-NIRO

Features

- Stainless steel bolt
- For doors hinged on the right
- Can be locked in open position with padlocks
- Actuator and switch bracket included

096057 RIEGEL TZ-A-NIRO-C2101

Features

- Stainless steel bolt
- For doors hinged on the right
- Can be locked in open position with padlocks
- Actuator and switch bracket included

057736 RIEGEL TZ-A

Features

- Steel bolt
- For doors hinged on the right
- Can be locked in open position with padlocks
- Actuator and switch bracket included

117193 RIEGEL TZ-A-NIRO-C2392

Features

- Stainless steel bolt
- For doors hinged on the right
- Can be locked in open position with padlocks
- Actuator and switch bracket included

Bolts NZ/TZ-S1 and NZ/TZ-S2 for safety switches NZ.VZ, NZ.VZ.VS and TZ

028357 RIEGEL NZ/TZ-S1

Features

- Aluminum bolt
- For doors hinged on the left or right. Cone grip bottom.
- Spring catch in open position
- Can be locked in open position with padlocks
- Actuator included

028359 RIEGEL NZ/TZ-S2

Features

- Aluminum bolt
- For doors hinged on the left or right. Cone grip top.
- Spring catch in open position
- Can be locked in open position with padlocks
- Actuator included

Bolts NZ/TZ-S1/AF and NZ/TZ-S1/CF with escape release for safety switches NZ.VZ, NZ.VZ.VS and TZ with escape release

079786 RIEGEL NZ/TZ-S1/AF

Features

- Aluminum bolt
- For doors hinged on the right
- Escape release
- Spring catch in open position
- Can be locked in open position with padlocks
- Actuator included

Bolt NZ/TZ-ACF with escape release for safety switches NZ.VZ and TZ with escape release

083900 RIEGEL NZ/TZ-ACF

Features

- Steel bolt
- For doors hinged on the right or left
- Lever for escape release from the danger area
- Detent knob in open position
- Can be locked in open position with padlocks
- Bolt for two safety switches
- Actuator included

Bolt TZ-AF with escape release for safety switches TZ with escape release

076200 RIEGEL TZ-AF

Features

- Steel bolt
- For doors hinged on the right
- Escape release
- Lever for escape release from the danger area
- Detent knob in open position
- Can be locked in open position with padlocks
- Actuator and switch bracket included

Mounting accessories

Mounting plates EMP-SA for safety switches TZ

094401 EMP-SA
Features
> For vertical and horizontal mounting of safety switch TZ

Mounting plates EMP-B1 for actuators for safety switches CTP, TP...A, STA, STP, TX and TZ

093457 EMP-B1

Mounting plates EMP-B2 for actuators for safety switches CTP, TP...A, STA, STP, TX and TZ

093458 EMP-B2

Actuator

Actuators for safety switches NZ.VZ, NZ.VZ.VS and TZ

072251 BETAETIGER-Z-GN
Features
> Two stainless safety screws per actuator

097436 BETAETIGER-Z-GME
Features
> Made of solid stainless steel
> Two stainless safety screws per actuator

016849 BETAETIGER-Z-G
Features
> Two stainless safety screws per actuator

074411 BETAETIGER-Z-G/V25
Features
> Two stainless safety screws per actuator
> Packaging unit 25 pieces

Hinged actuator left for safety switches NZ.VZ, NZ.VZ.VS and TZ

024298 RADIUSBETAETIGER-Z-L
Features
> Two stainless safety screws per actuator

074413 RADIUSBETAETIGER-Z-L/V25
- Features
  - › Two stainless safety screws per actuator
  - › Packaging unit 25 pieces

100407 RADIUSBETAETIGER-Z-L-C2194
- Features
  - › Two stainless safety screws per actuator
  - › Smaller door radii

Hinged actuator right for safety switches NZ.VZ, NZ.VZ.VS and TZ

024299 RADIUSBETAETIGER-Z-R
- Features
  - › Two stainless safety screws per actuator

074412 RADIUSBETAETIGER-Z-R/V25
- Features
  - › Two stainless safety screws per actuator
  - › Packaging unit 25 pieces

100406 RADIUSBETAETIGER-Z-R-C2194
- Features
  - › Two stainless safety screws per actuator
  - › Smaller door radii

Hinged actuator bottom for safety switches NZ.VZ, NZ.VZ.VS and TZ

048850 RADIUSBETAETIGER-Z-U
- Features
  - › Two stainless safety screws per actuator

074414 RADIUSBETAETIGER-Z-U/V25
- Features
  - › Two stainless safety screws per actuator
  - › Packaging unit 25 pieces

Hinged actuator top for safety switches NZ.VZ, NZ.VZ.VS and TZ

057950 RADIUSBETAETIGER-Z-O
- Features
  - › Two stainless safety screws per actuator

074415 RADIUSBETAETIGER-Z-O/V25
- Features
  - › Two stainless safety screws per actuator
  - › Packaging unit 25 pieces

Instructions

▾ Betriebsanleitung Sicherheitsschalter TZ...

	Doc. no.	Version	Language	Download
Betriebsanleitung Sicherheitsschalter TZ... Operating Instructions TZ... Safety Switch Manual de instrucciones del interruptor de seguridad TZ... Mode d'emploi Interrupteur de sécurité TZ... Istruzioni di impiego dei finecorsa di sicurezza TZ...	2088062	09-05/18		🗎 6.9 MB
Instrukcja obsługi wyłącznika bezpieczeństwa TZ...	2088062	09-05/18		🗎 1.8 MB
Manual de instruções da chave de segurança TZ...	2088062	09-05/18		🗎 1.5 MB
Руководство по эксплуатации предохранительных выключателей TZ...	2088062	09-05/18		🗎 1.9 MB
Návod na obsluhu – bezpečnostný spínač TZ...	2088062	09-05/18		🗎 1.8 MB
使用说明书安全开关 TZ…	2088062	09-05/18		🗎 1.6 MB

Declaration of conformity

▾ EU prohlášení o shodě

	Doc. no.	Version	Language	Download
EU-Konformitätserklärung Declaración UE de conformidad Déclaration UE de conformité Dichiarazione di conformità EU declaration of conformity	2077153	25-02/17		🗎 0.3 MB
EU prohlášení o shodě 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	2077153	25-02/17		🗎 0.5 MB

CAD data

CAD data for this item on TraceParts