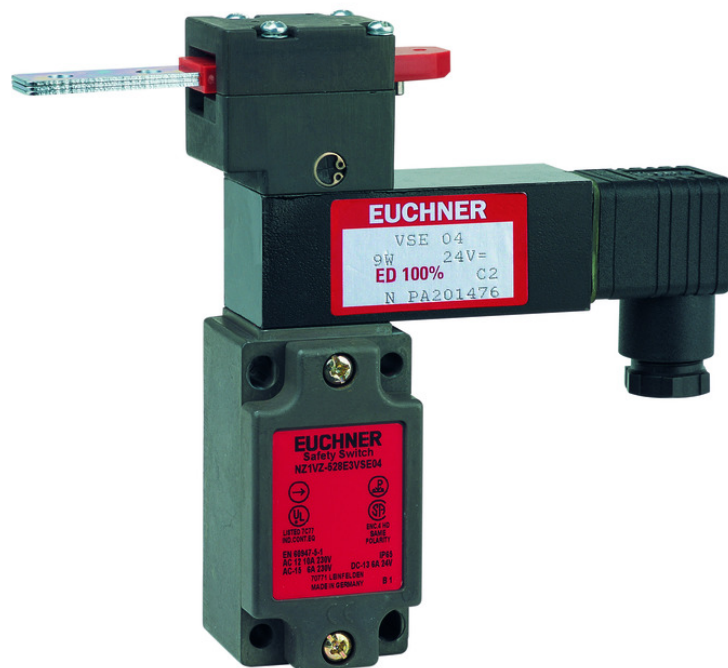


ITEM 082133 NZ1VZ-528E3VSE07-M

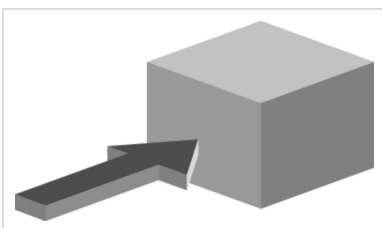
| Description | Technical data | Accessories | Downloads |
|-------------|----------------|-------------|-----------|
|-------------|----------------|-------------|-----------|



Features

- › Housing according to EN 50041
- › Cable entry M20 x 1.5

Approach direction



- › Figure
Horizontal
Can be adjusted in 90° steps

Guard locking type

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

Switching element

528H Slow-action switching contact 1 NC \ominus + 1 NO

Approvals



Mechanical values and environment

| | |
|--|--------------------------------|
| Housing material | Anodized die-cast alloy |
| Weight | Net 0,7 kg |
| Ambient temperature | -25 ... 80 °C |
| Degree of protection | IP65 |
| Mechanical life | 2 x 10 ⁶ |
| Contact material | Silver alloy, gold flashed |
| Switching principle | Slow-action switching contact |
| Solenoid alignment | 3 |
| Installation position | Any |
| Number of door position positively driven contacts | 1 |
| Number of door position NO contacts | 1 |
| Connection | 1 x M20 x 1.5 |
| 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 | 35 N |
| Extraction force | 40 N |
| Actuating force | 45 N |
| Insertion depth | 52 mm |

Electrical connection ratings

| | |
|--|-------------------------------|
| Rated thermal current I _{th} | 4 A |
| Utilization category according to EN 60947-5-1 | AC-15 4A 230V DC-13 4A 24V |
| Solenoid operating voltage | AC 110 V -15 ... 10 |

| | | |
|---|--------------|------------------------------|
| Short circuit protection according to IEC 60269-1 | (Fuse) | 4A gG |
| Rated insulation voltage U _i | AC/DC | 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 |
| Connection cross-section | | 0,34 ... 1,5 mm ² |

Reliability values acc. to EN ISO 13849-1

| | Control of the guard locking |
|-------------------|--|
| Category | Depending on external control of guard locking |
| Performance Level | Depending on external control of guard locking |
| PFH _D | Depending on external control of guard locking |
| | Monitoring of the position of the safety guard |
| B10 _D | 4,5 x 10 ⁶ |

in combination with Actuator BETAETIGER-Z-G

Mechanical values and environment

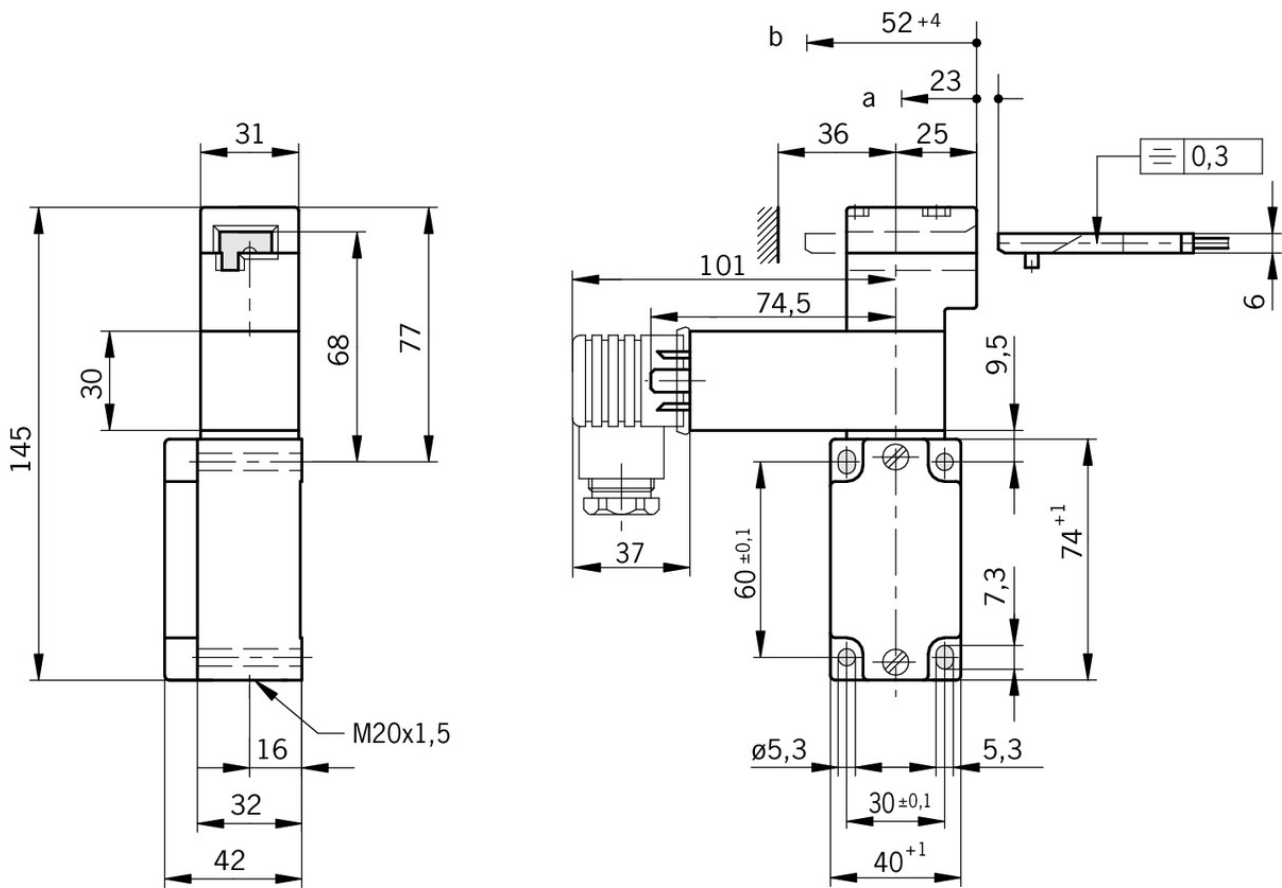
| | |
|------------|------|
| Overtravel | 4 mm |
|------------|------|

in combination with Actuator BETAETIGER-Z-GN

Mechanical values and environment

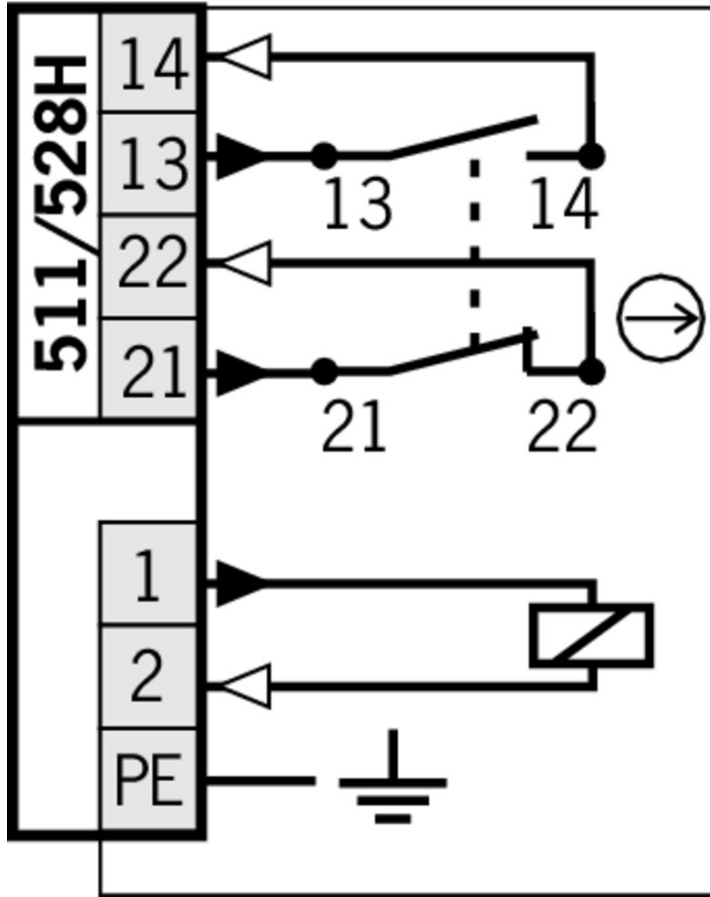
| | |
|------------|-------|
| Overtravel | 16 mm |
|------------|-------|

Dimension drawing

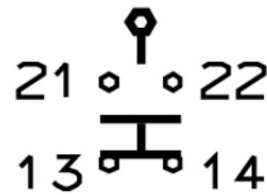
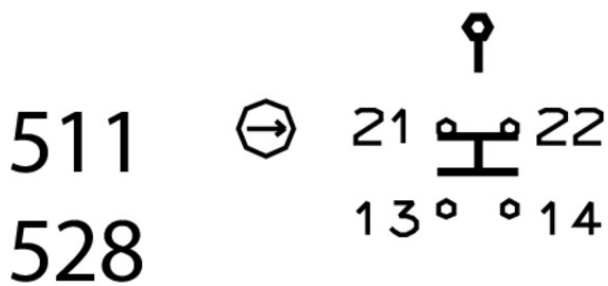
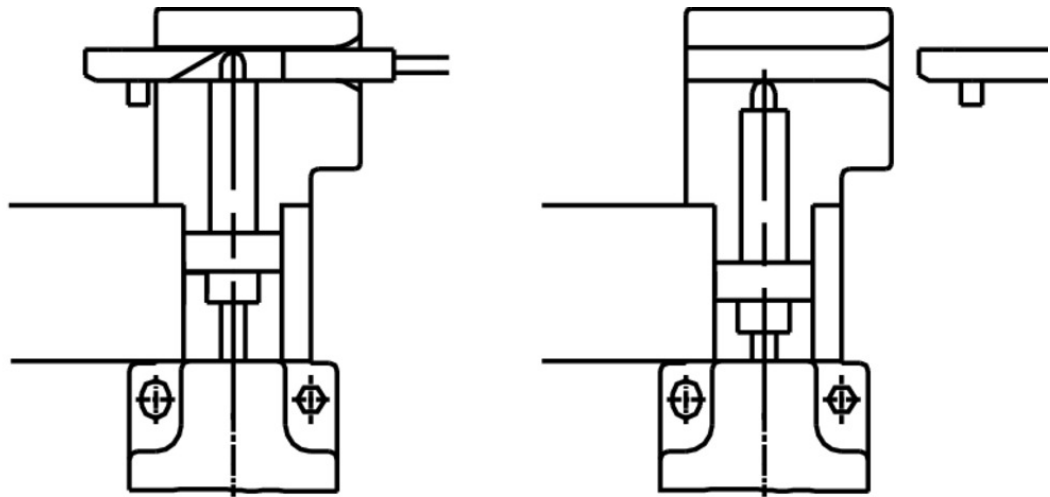


Legende

- a* Travel without operation: actuator is in the guide slot, but function is not triggered.
- b* Switching operation completed: actuator must be inserted to this point to ensure reliable switching. The actuator must be withdrawn at least to point a for switching off.



Switching functions



Mounting accessories

- ✓ 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

- ✓ Mounting plates EMP-SC for safety switches NM, NP...AS and NZ



085753 EMP-SC

- ✓ Features

› For vertical and horizontal mounting of safety switches NM, NP...AS and NZ

Bolt

- ✓ 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

079785 RIEGEL NZ/TZ-S1/CF



✓ Features

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



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

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



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



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

✓ Bolt NZ-C... for safety switches NZ.VZ and NZ.VZ.VS



083892 RIEGEL NZ-CB

✓ Features

- › Steel bolt
- › For doors hinged on the left
- › Ball detent mechanism in closed position
- › Can be locked in open position with padlocks
- › Actuator and switch bracket included



078456 RIEGEL NZ-CR2

✓ Features

- › Steel bolt
- › For doors hinged on the left
- › Detent knob in open position
- › Detent knob mechanism in closed position
- › Can be locked in open position with padlocks
- › Actuator and switch bracket included

▼ Bolt NZ-A... for safety switches NZ.VZ and NZ.VZ.VS



078455 RIEGEL NZ-AR2

▼ Features

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



083890 RIEGEL NZ-AB

▼ Features

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

▼ Bolt NZ-C for safety switches NZ.VZ and NZ.VZ.VS



057735 RIEGEL NZ-C

▼ Features

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

▼ Bolt NZ-A for safety switches NZ.VZ and NZ.VZ.VS



057734 RIEGEL NZ-A

▼ Features

- › Steel bolt
- › For doors hinged on the right
- › Can be locked in open position with padlocks
- › Actuator and switch bracket included
- › Bolt is not allowed to be used in conjunction with an escape release.

Function expansion

▼ 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

Lockout mechanism NZ.VZ/TZ, 3 holes



046730 SPERREINSATZ-Z-046730

Features

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



091305 SPERREINSATZ MIT KETTE

Features

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

LED function display NZ



029220 NGLE060RT



029221 NGLE060GR

Spare parts

Replacement head NZ.VZ

076250 BETAETIGUNGSKOPF NZVZ

Actuator

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



074415 RADIUSBETAETIGER-Z-O/V25

Features

- › Two stainless safety screws per actuator
- › Packaging unit 25 pieces



057950 RADIUSBETAETIGER-Z-O

Features

- › Two stainless safety screws per actuator

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



074414 RADIUSBETAETIGER-Z-U/V25

Features

- › Two stainless safety screws per actuator
- › Packaging unit 25 pieces



048850 RADIUSBETAETIGER-Z-U

✓ Features

- › Two stainless safety screws per actuator

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



074411 BETAETIGER-Z-G/V25

✓ Features

- › Two stainless safety screws per actuator
- › Packaging unit 25 pieces



097436 BETAETIGER-Z-GME

✓ Features

- › Made of solid stainless steel
- › Two stainless safety screws per actuator



072251 BETAETIGER-Z-GN

✓ Features

- › Two stainless safety screws per actuator



016849 BETAETIGER-Z-G

✓ Features

- › Two stainless safety screws per actuator

✓ 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

Connection material

▼ Cable glands M20x1.5



077683 EKVM20/06



077684 EKVM20/09

▼ Solenoid plug for safety switch NZ.VZ.VS

028338 STECKVERBINDER M.GLEICHR.F.MAGNETV.

Features

- › With rectifier for the connection of AC 110 V - AC 230 V.

Instructions













▼ Istruzioni di impiego Finecorsa di sicurezza NZ.VZ-...VS

| | Doc. no. | Version | Language | Download |
|--|----------|----------|----------|----------|
| Betriebsanleitung Sicherheitschalter NZ.VZ-...VS | 094066 | 07-08/16 | | 2.2 MB |
| Manual de instrucciones Interruptor de seguridad NZ.VZ-...VS | | | | |
| Mode d'emploi Interrupteur de sécurité NZ.VZ-...VS | | | | |
| Operating Instructions Safety Switch NZ.VZ-...VS | | | | |
| Istruzioni di impiego Finecorsa di sicurezza NZ.VZ-...VS | 094066 | 07-08/16 | | 0.6 MB |
| Návod na prevádzku Bezpečnostný spínač NZ.VZ-...VS | 094066 | 07-08/16 | | 0.6 MB |

Catalogs

▼ Sicherheitsschalter mit Metallgehäuse Safety Switches with Metal Housing Bezpečnostní spínače

s kovovým pouzdem Interrupteurs de sécurité avec boîtier métallique 金属壳体 的安全开关
 Interruptores de seguridad con carcasa metálica

| | Doc. no. | Version | Language | Download |
|---|----------|----------|---|---|
| Sicherheitsschalter mit Metallgehäuse | 100319 | 11-03/18 |  |  7.9 MB |
| Interrupteurs de sécurité avec boîtier métallique | 100676 | 11-03/18 |  |  7.9 MB |
| Interruptores de seguridad con carcasa metálica | 104856 | 11-03/18 |  |  14.0 MB |
| Safety Switches with Metal Housing | 100369 | 11-03/18 |  |  7.9 MB |
| Bezpečnostní spínače s kovovým pouzdem | 121650 | 11-03/18 |  |  7.9 MB |
| 金属壳体 的安全开关 | 102453 | 11-03/18 |  |  8.2 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