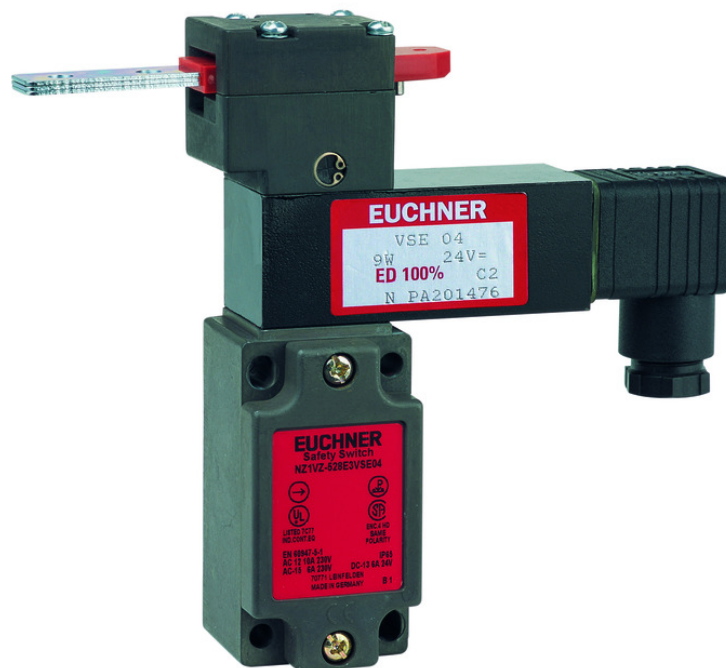


ITEM 088036 NZ1VZ-2131E3VSE07-M

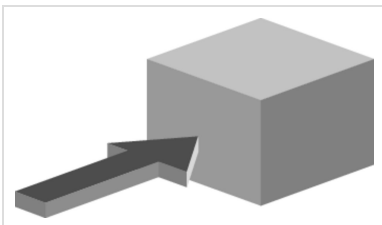
| Description | Technical data | Accessories | Downloads |
|-------------|----------------|-------------|-----------|
|-------------|----------------|-------------|-----------|



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

2131H Slow-action switching contact 3 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 | 3 |
| 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

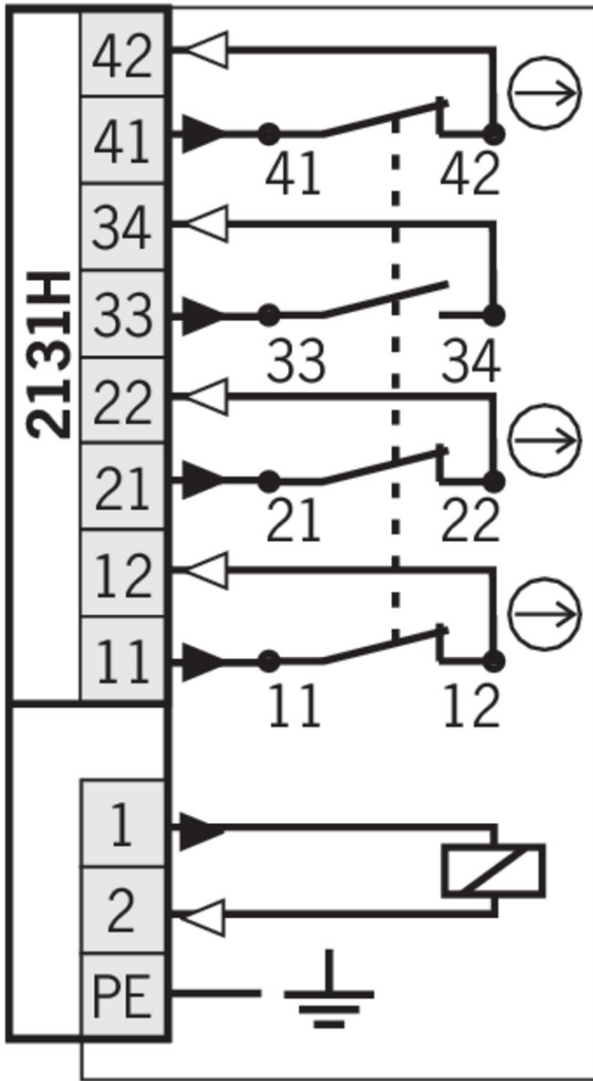
| | |
|------------|------|
| Overtravel | 4 mm |
|------------|------|

in combination with Actuator BETAETIGER-Z-GN

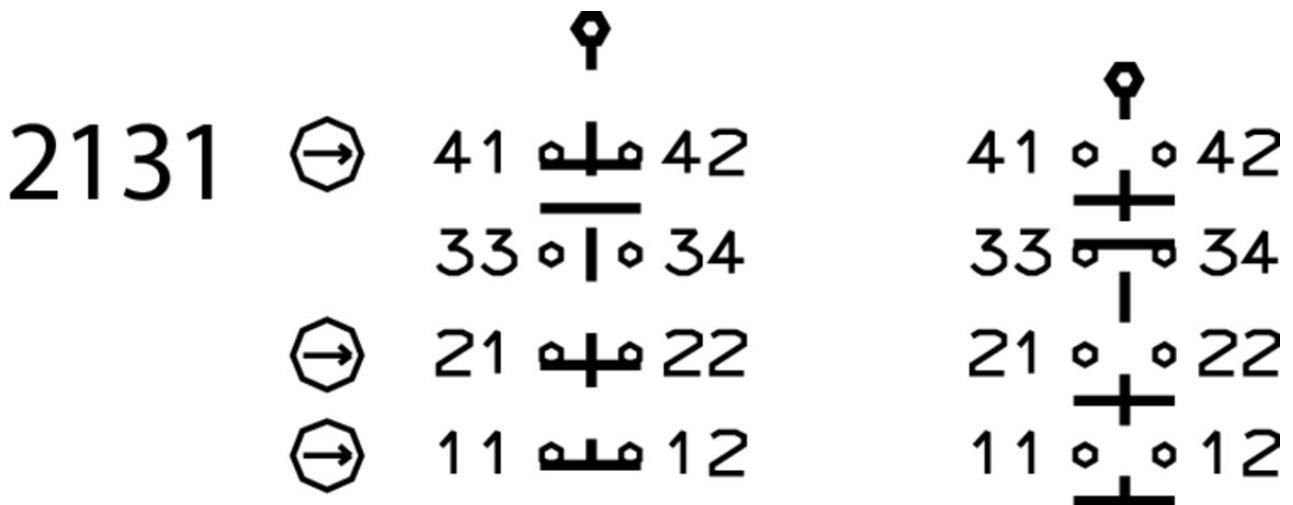
Mechanical values and environment

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

2131H



Switching functions



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



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

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



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



024298 RADIUSBETAETIGER-Z-L

✓ Features

- › Two stainless safety screws per actuator

▼ 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

Bolt

▼ 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.

▼ 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

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



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

✓ 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

✓ 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



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

Mounting accessories

- ✓ 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

- ✓ 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

Function expansion

- ✓ 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

▼ 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

▼ LED function display NZ



029220 NGLE060RT



029221 NGLE060GR

Spare parts

▼ Replacement head NZ.VZ

076250 BETAETIGUNGSKOPF NZVZ

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 Sicherheitsschalter NZ.VZ-...VS 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 | 094066 | 07-08/16 |     |  2.2 MB |
| 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 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