

**ITEM 095806 NZ2RL-2121C1831**

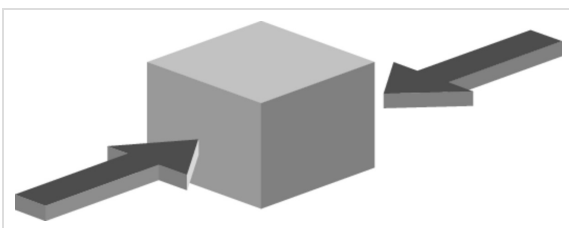
| Description | Technical data | Accessories | Downloads |
|-------------|----------------|-------------|-----------|
|-------------|----------------|-------------|-----------|



**Features**

- › With grooved ball bearing  $\varnothing$  16 mm
- › Plug connector SR11

**Approach direction**



- › Figure  
Horizontal  
Can be adjusted in 90° steps

**Switching element**

**2121H** Slow-action switching contact 4NC↻

## Approvals



## Mechanical values and environment

|  |  |
|--|--|
| Housing material                                   | Anodized die-cast alloy                |
| Weight   | Net 0,3 kg                             |
| Ambient temperature                                | -25 ... 80 °C                          |
| Degree of protection                               | IP65                                   |
| Mechanical life                                    | 30 x 10 <sup>6</sup>                   |
| Contact material                                   | Silver alloy, gold flashed             |
| Switching principle                                | Slow-action switching contact          |
| Installation position                              | Any                                    |
| Number of door position positively driven contacts | 4                                      |
| Connection   | 1 x Plug connector SR11 [1]            |
| Approach speed                                     | max. 0,1 ... 20 m/min                  |
| Actuating element                                  | Plain bearing metal Roller plunger [2] |
| Actuating force                                    | 15 ... 30 N                            |

## Electrical connection ratings

|   |                              |
|---|------------------------------|
| Rated thermal current $I_{th}$                    | 4 A                          |
| Utilization category according to EN 60947-5-1    | AC-15 4A 50V<br>DC-13 4A 24V |
| Short circuit protection according to IEC 60269-1 | (Fuse) 4A gG                 |
| Rated insulation voltage $U_i$                    | 50 V                         |
| Rated impulse withstand voltage $U_{imp}$         | 1,5 kV                       |
| Switching current                                 | Min. at DC 24V 1 mA          |

## Miscellaneous

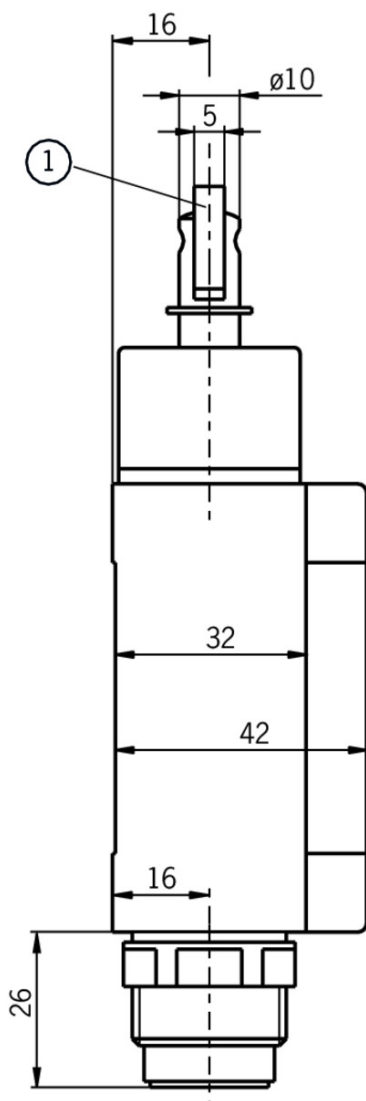
|          |                            |
|----------|----------------------------|
| C number | C1831 Grooved ball bearing |
|----------|----------------------------|

## Reliability values acc. to EN ISO 13849-1

[1] 11-pin + PE

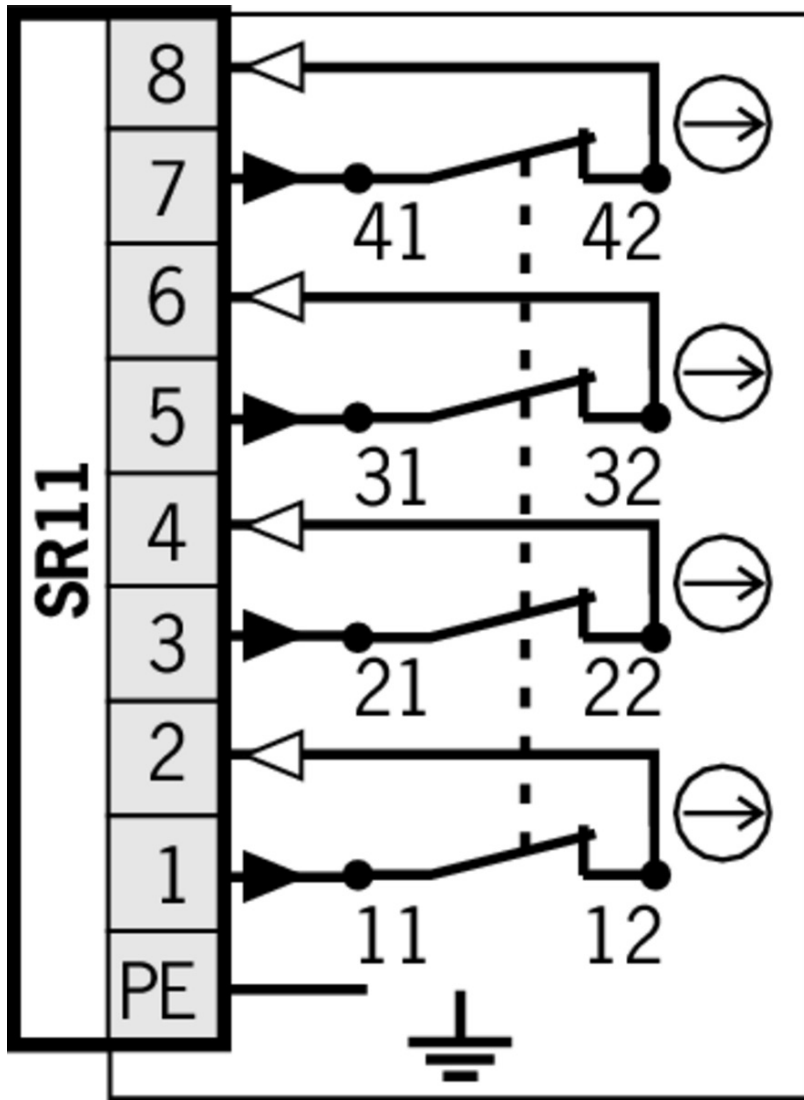
[2] d roller = 18 mm

### Dimension drawing



### Legende

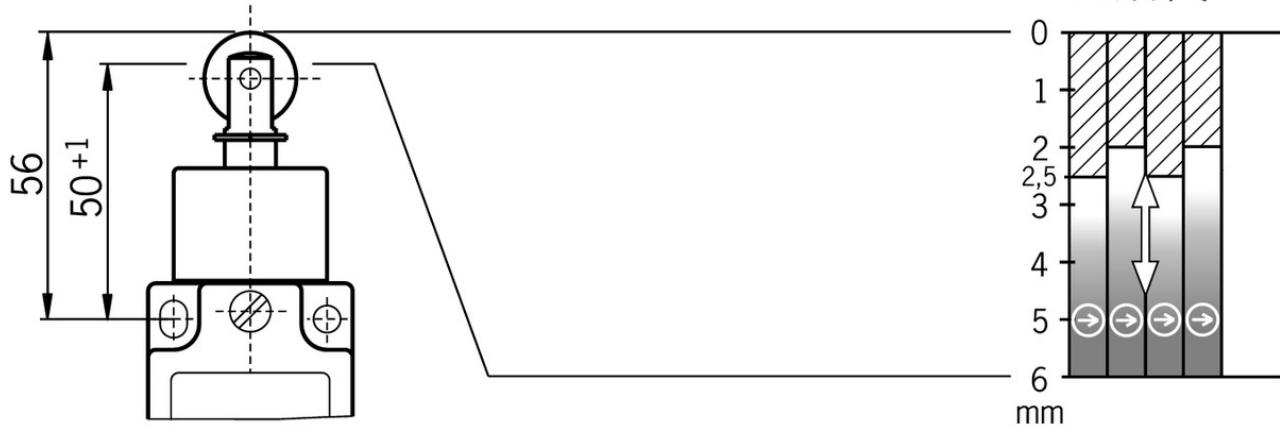
1 Ball bearing  $\varnothing 16$






## Travel diagram

**NZ...RL**

**2121H**



## Legende

-  Contacts closed
-  Contacts open
-  Contacts positively driven

## Connection material

- Plug connector SR11 for safety switches NZ and TZ

### **070859** SR11EF

#### Features

- › Crimp contacts
- › Cable optional
- › Coding shells

### **054773** SR11WF

#### Features

- › Crimp contacts
- › 90° angled optional
- › Cable optional
- › Coding shells

### **091296** SR11AM2-M20

#### Features

- › Crimp contacts
- › Cable optional
- › Coding shells

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▼ Connection cable with plug connector SR11, 5m



**077629** C-M26F12-12X1,00PU05,0-MA-077629

▼ Features

- › Female plug SR11, 11-pin + PE
  - › Straight plug connector
  - › PUR cable
  - › Cable length 5 m
  - › With flying lead
- 

▼ Connection cable with plug connector SR11, 5m, angled



**077635** C-M26F12-12X1,0PU05,0-MA-077635

▼ Features

- › Female plug SR11, 11-pin + PE
  - › Angled plug connector
  - › PUR cable
  - › Cable length 5 m
  - › With flying lead
- 

▼ Connection cable with plug connector SR11, 10m



**077630** C-M26F12-12X1,00PU10,0-MA-077630

▼ Features

- › Female plug SR11, 11-pin + PE
  - › Straight plug connector
  - › PUR cable
  - › Cable length 10 m
  - › With flying lead
- 

▼ Connection cable with plug connector SR11, 10m, angled



**077636** C-M26F12-12X1,0PU10,0-MA-077636

▼ Features

- › Female plug SR11, 11-pin + PE
  - › Angled plug connector
  - › PUR cable
  - › Cable length 10 m
  - › With flying lead
- 

▼ Connection cable with plug connector SR11, 15m



**077631** C-M26F12-12X1,00PU15,0-MA-077631

▼ Features

- › Female plug SR11, 11-pin + PE
  - › Straight plug connector
  - › PUR cable
  - › Cable length 15 m
  - › With flying lead
-

- Connection cable with plug connector SR11, 15m, angled



**077637** C-M26F12-12X1,0PU15,0-MA-077637

Features

- Female plug SR11, 11-pin + PE
- Angled plug connector
- PUR cable
- Cable length 15 m
- With flying lead

- Connection cable with plug connector SR11, 20m



**096632** C-M26F12-12X1,0PU20,0-MA-096632

Features

- Female plug SR11, 11-pin + PE
- Straight plug connector
- PUR cable
- Cable length 20 m
- With flying lead

- Connection cable with plug connector SR11, 25m



**094749** C-M26F12-12X1,0PU25,0-MA-094749



Features

- Female plug SR11, 11-pin + PE
- Straight plug connector
- PUR cable
- Cable length 25 m
- With flying lead


## Instructions













- Betriebsanleitung Sicherheitsschalter NZ.D.../NZ.W.../NZ.R...

|  | Doc. no. | Version  | Language  | Download   |
|--|----------|----------|---|--|
| Betriebsanleitung Sicherheitsschalter<br>NZ.D.../NZ.W.../NZ.R...                       | 074549   | 10-01/17 | <br><br><br><br> |  1.8 MB |
| Manual de instrucciones Interruptores de<br>seguridad NZ.D.../NZ.W.../NZ.R...          |          |          |   |  |
| Mode d'emploi Interrupteur de sécurité<br>NZ.D.../NZ.W.../NZ.R...                      |          |          |   |  |
| Istruzioni di impiego Finecorsa di sicurezza<br>NZ.D.../NZ.W.../NZ.R...                |          |          |   |  |
| Operating Instructions Safety Switch<br>NZ.D.../NZ.W.../NZ.R...                        |          |          |   |  |
| Instrukcja obsługi Wyłącznik bezpieczeństwa<br>NZ.D.../NZ.W.../NZ.R...                 | 074549   | 10-01/17 |    |  0.4 MB |
| Инструкция по эксплуатации<br>Предохранительный выключатель<br>NZ.D.../NZ.W.../NZ.R... | 074549   | 10-01/17 |    |  0.6 MB |

|   |        |          |  |   |
|---|--------|----------|--|---|
| Návod na prevádzku Bezpečnostný spínač<br>NZ.D.../NZ.W.../NZ.R... | 074549 | 10-01/17 |  |  0.4 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