

## ITEM 090959 NZ2RL-3131

Description	Technical data	Accessories	Downloads
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### Features

- › Steel roller  $\varnothing$  18 mm
- › Plug connector SR11

### Approach direction



- › Figure  
Horizontal  
Can be adjusted in 90° steps

### Switching element

**3131H** Slow-action switching contact 2 NC $\ominus$  + 2 NO

## 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	$30 \times 10^6$
Contact material	Silver alloy, gold flashed
Switching principle	Slow-action switching contact
Installation position	Any
Number of door position positively driven contacts	2
Number of NO contacts	2
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 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

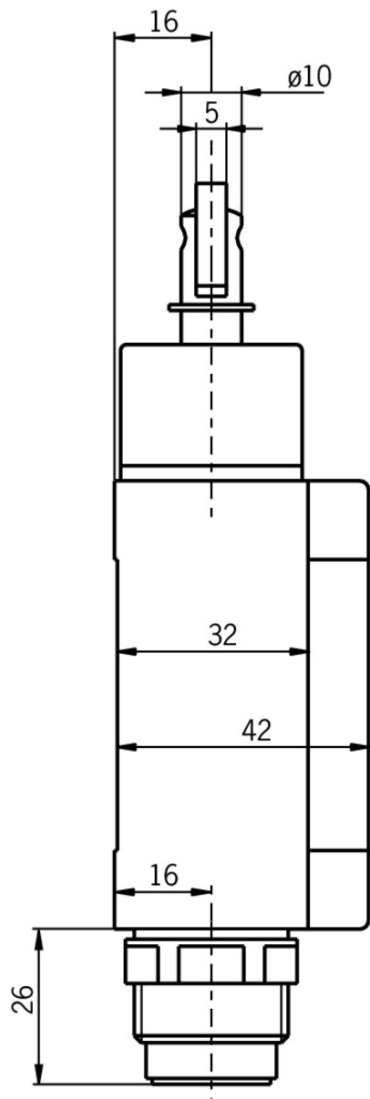
### Reliability values acc. to EN ISO 13849-1

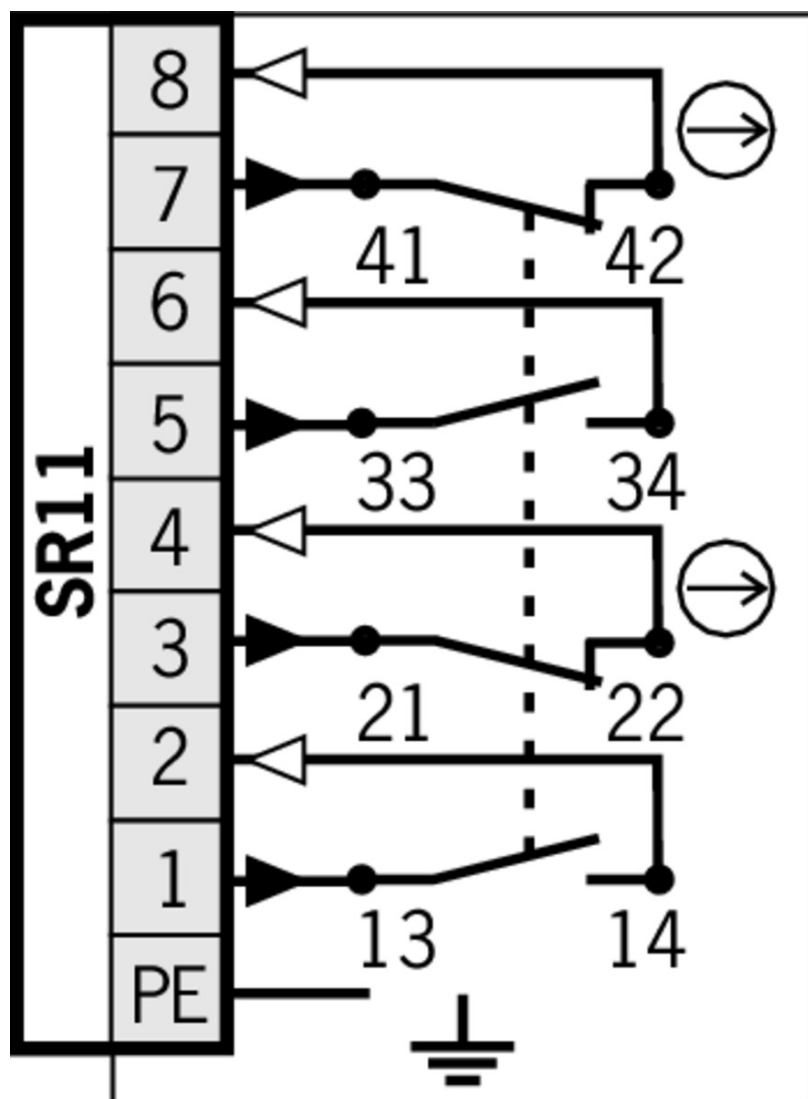
	<b>Monitoring of the safety guard position</b>
B10D	$20 \times 10^6$

[1] 11-pin + PE

[2] d roller = 18 mm

### Dimension drawing

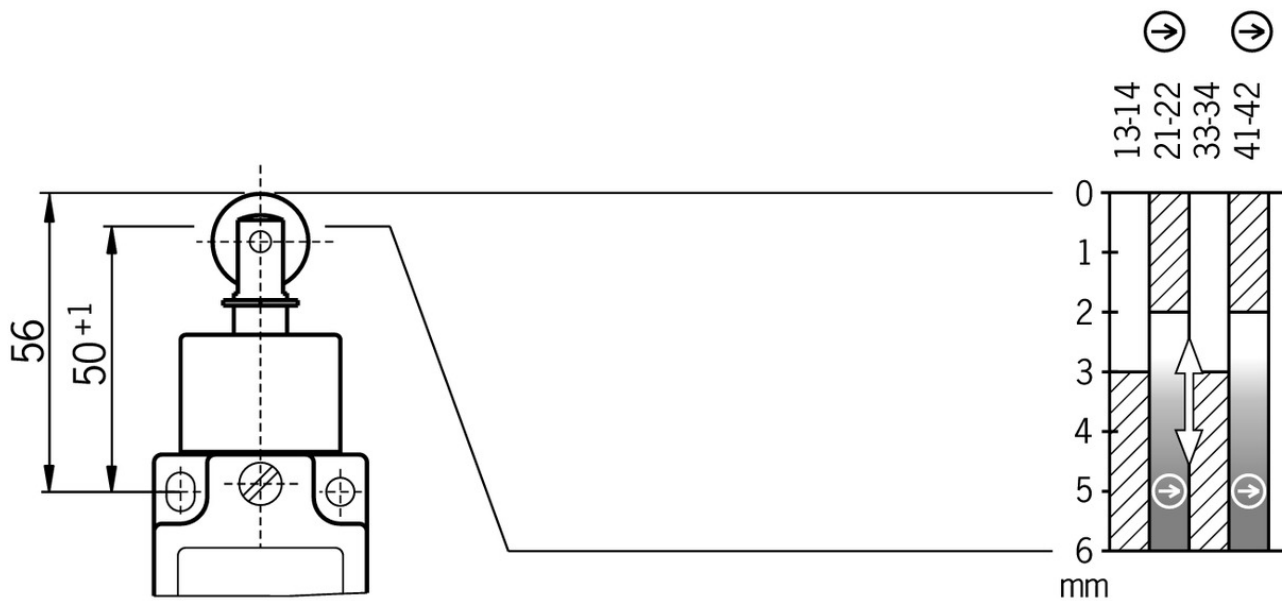







## Travel diagram

**NZ...RL**


**3131H**



## 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
- 

✓ 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 NZ.D.../NZ.W.../NZ.R...	074549	10-01/17	 	 1.8 MB
Manual de instrucciones Interruptores de seguridad NZ.D.../NZ.W.../NZ.R...			 	
Mode d'emploi Interrupteur de sécurité NZ.D.../NZ.W.../NZ.R...				
Istruzioni di impiego Finecorsa di sicurezza NZ.D.../NZ.W.../NZ.R...				
Operating Instructions Safety Switch NZ.D.../NZ.W.../NZ.R...				
Instrukcja obsługi Wyłącznik bezpieczeństwa NZ.D.../NZ.W.../NZ.R...	074549	10-01/17		 0.4 MB

Инструкция по эксплуатации Предохранительный выключатель NZ.D.../NZ.W.../NZ.R...	074549	10-01/17		0.6 MB
Návod na prevádzku Bezpečnostný spínač 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 pouzdrém 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 pouzdrém	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