

## ITEM 090024 NZ2RS-511

Description	Technical data	Accessories	Downloads
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### Features

- › Version C according to EN 50041(steel roller  $\varnothing$  12 mm)
- › Plug connector SR6

### Approach direction



- › Figure  
Horizontal  
Can be adjusted in 90° steps

### Switching element

**511** Snap-action switching contact 1 NC $\ominus$  + 1 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 x 10 <sup>6</sup>
Contact material	Silver alloy, gold flashed
Switching principle	Snap-action switching contact <sup>[1]</sup>
Installation position	Any
Number of door position positively driven contacts	1
Number of NO contacts	1
Connection	1 x Plug connector SR6 <sup>[2]</sup>
Approach speed	max. 0,1 ... 20 m/min
Actuating element Plain bearing metal	Roller plunger <sup>[3]</sup>
Actuating force	15 ... 30 N

## Electrical connection ratings

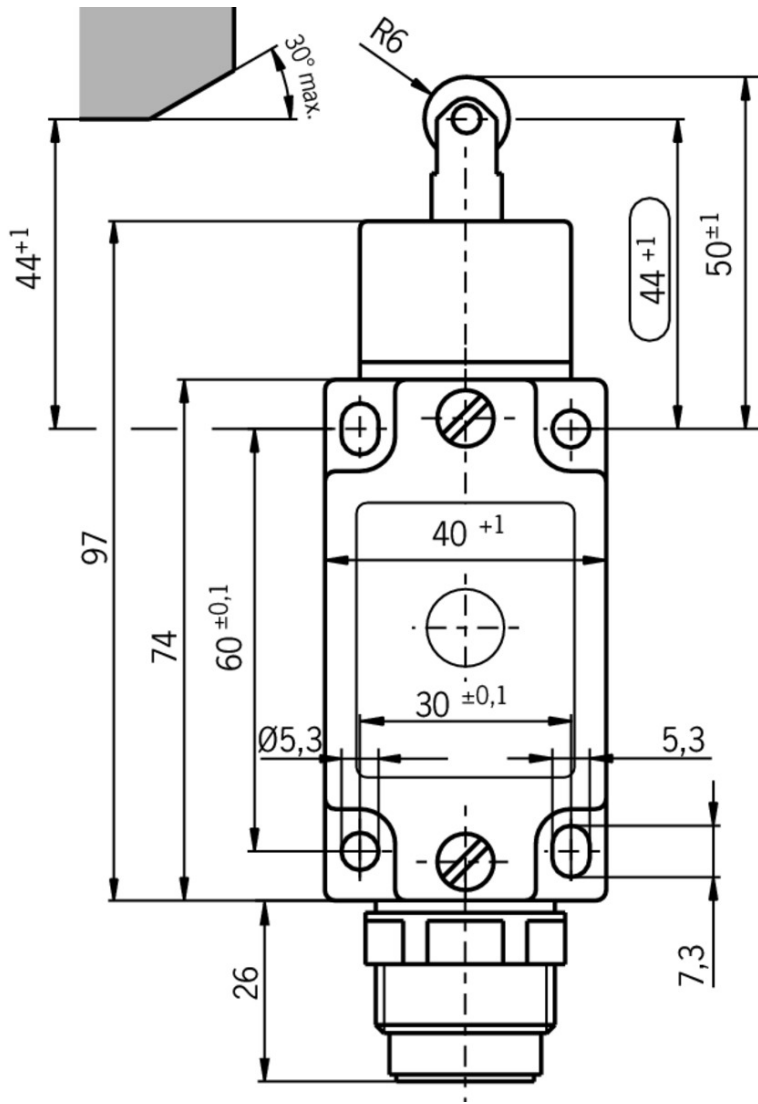
Rated thermal current I <sub>th</sub>	6 A
Utilization category according to EN 60947-5-1	AC-15 6A 230V DC-13 6A 24V
Short circuit protection according to IEC 60269-1	(Fuse) 6A gG
Rated insulation voltage U <sub>i</sub>	250 V
Rated impulse withstand voltage U <sub>imp</sub>	2,5 kV
Switching current	Min. at DC 24V 10 mA

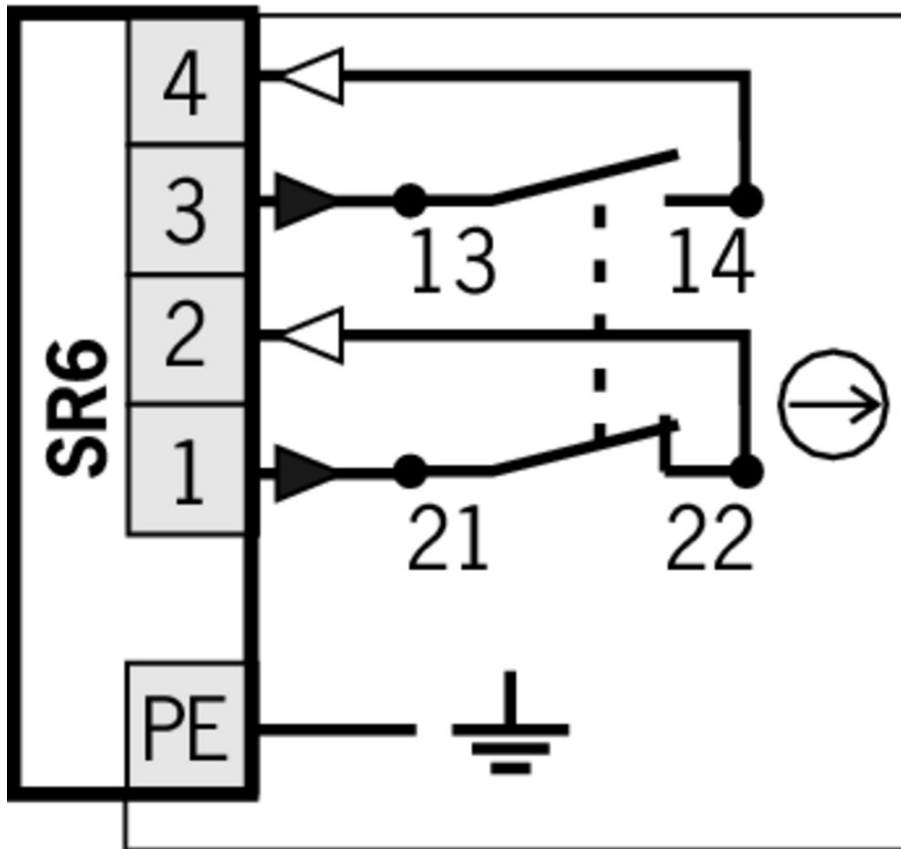
## Reliability values acc. to EN ISO 13849-1

	<b>Monitoring of the safety guard position</b>
B10 <sub>D</sub>	20 x 10 <sup>6</sup>

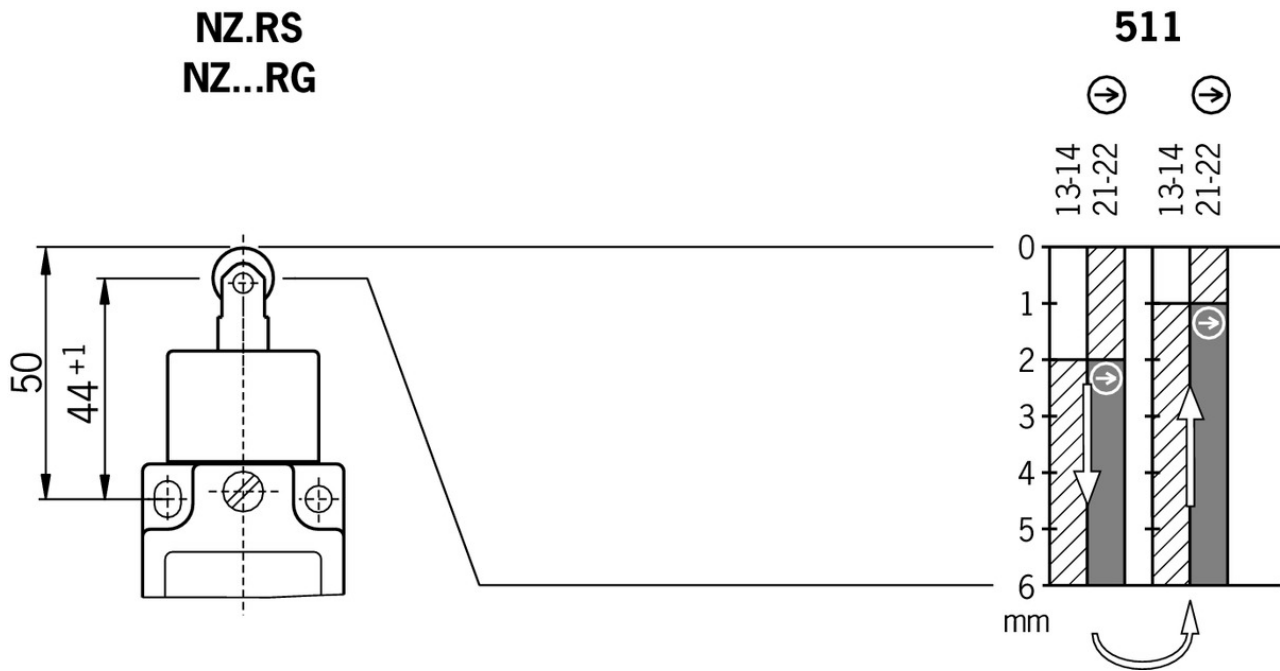
- [1] Contact closing time <4 contact bounce time <3
- [2] 6-pin + PE
- [3] Steel roller d roller = 12 mm

**Dimension drawing**








## Travel diagram



## Legende

-  Contacts closed
-  Contacts open
-  Contacts positively driven

## 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

- ✓ Plug connector SR6

**087180** SR6AM2-M20

### ✓ Features

- › Crimp contacts
- › Male socket



**013176** SR6EF

### ✓ Features

- › Crimp contacts
- › Coding shells



**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, 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



**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

- ✓ 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



**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, 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

## 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 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