

## ITEM 095046 NZ2RS-538SEM4AS1

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



### Features

- › Version C according to EN 50041 NZ.RS (steel roller  $\varnothing$  12 mm)

### Switching direction

Right, left or both sides.

### AS-Interface inputs

**D0, D1** Positively driven NC contact 1  
**D2, D3** Positively driven NC contact 2  
Evaluation is performed via a safety monitor.

### AS-Interface outputs

**D1** Red LED  
**D2** Green LED

### LED function display

- › The Power LED indicates the operating voltage on the bus.

- › The Fault LED indicates if a fault has been detected on the AS-Interface bus.
- › The green and the red LEDs can be controlled as required by the control system via the bus using bits D1 and D2.

## Approvals



## Mechanical values and environment

|  |                               |
|--|-------------------------------|
| Housing material                                   | Anodized die-cast alloy       |
| Weight   | Net 0,3 kg                    |
| Ambient temperature                                | -25 ... 70 °C                 |
| Degree of protection                               | IP67                          |
| 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 |                               |
| According to ASI Safety at work                    | 2 D0, D1, D2, D3 [1]          |
| Connection   |                               |
|  | 1 x Plug connector M12 [2]    |
| Approach speed                                     |                               |
|  | max. 0,1 ... 20 m/min         |
| Actuating element                                  |                               |
| Plain bearing metal                                | Roller plunger [3]            |
| Actuating force                                    | min.30 N                      |

## Electrical connection ratings

|                                    |                      |
|------------------------------------|----------------------|
| ASi voltage                        | 22,5 ... 30 V 31,6 V |
| ASi operating current              | max.45 mA            |
| ASi slave type                     |                      |
| According to ASI specification 2.1 | ID code B            |
| According to ASI specification 2.1 | EA code 7            |
| ASi data in                        |                      |
| According to ASI Safety at work    | D0, D1 / D2, D3 [4]  |
| ASi data out                       |                      |
|                                    | LED red D1 [5]       |
|                                    | LED green D2 [6]     |
| ASi LED                            |                      |
|                                    | LED green Power [7]  |

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

B10D

 $20 \times 10^6$ 

[1] 1 = Door closed

[2] 4-pin

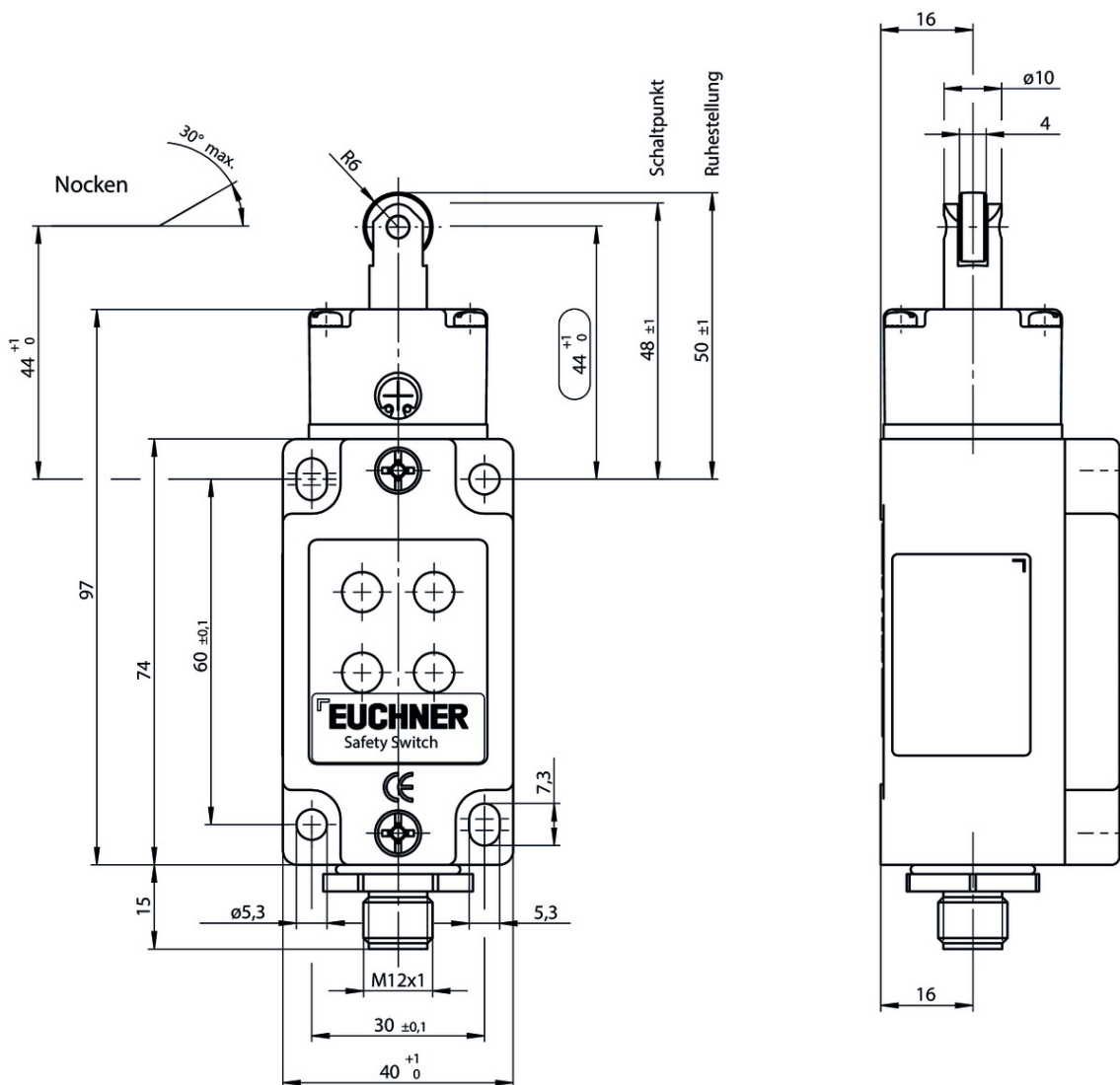
[3] Steel roller d roller = 12 mm

[4] See positively driven NC contact

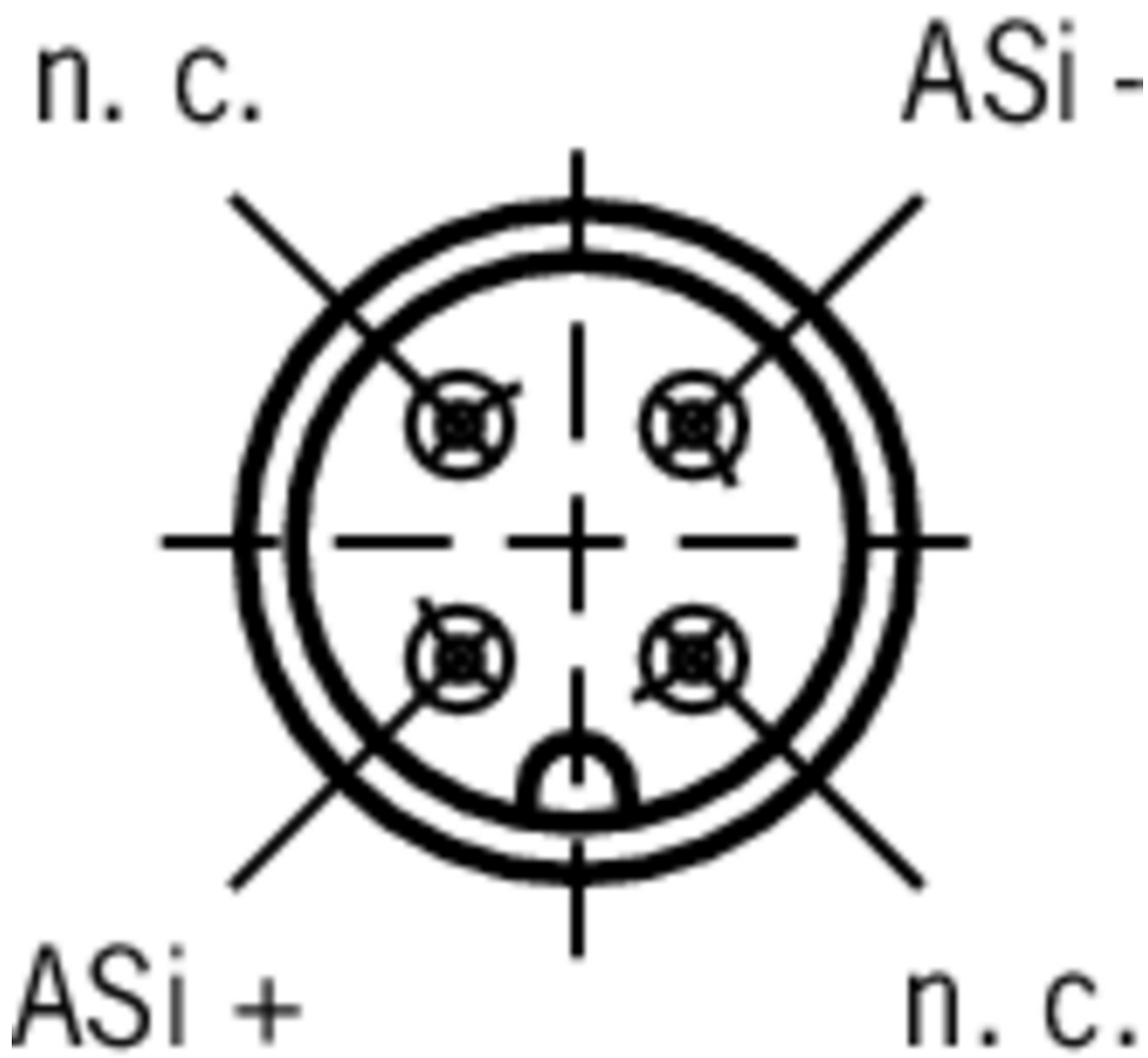
[5, 6] 1 = LED on

[7] Asi voltage is present

[8] Offline phase or address 0

**Dimension drawing**

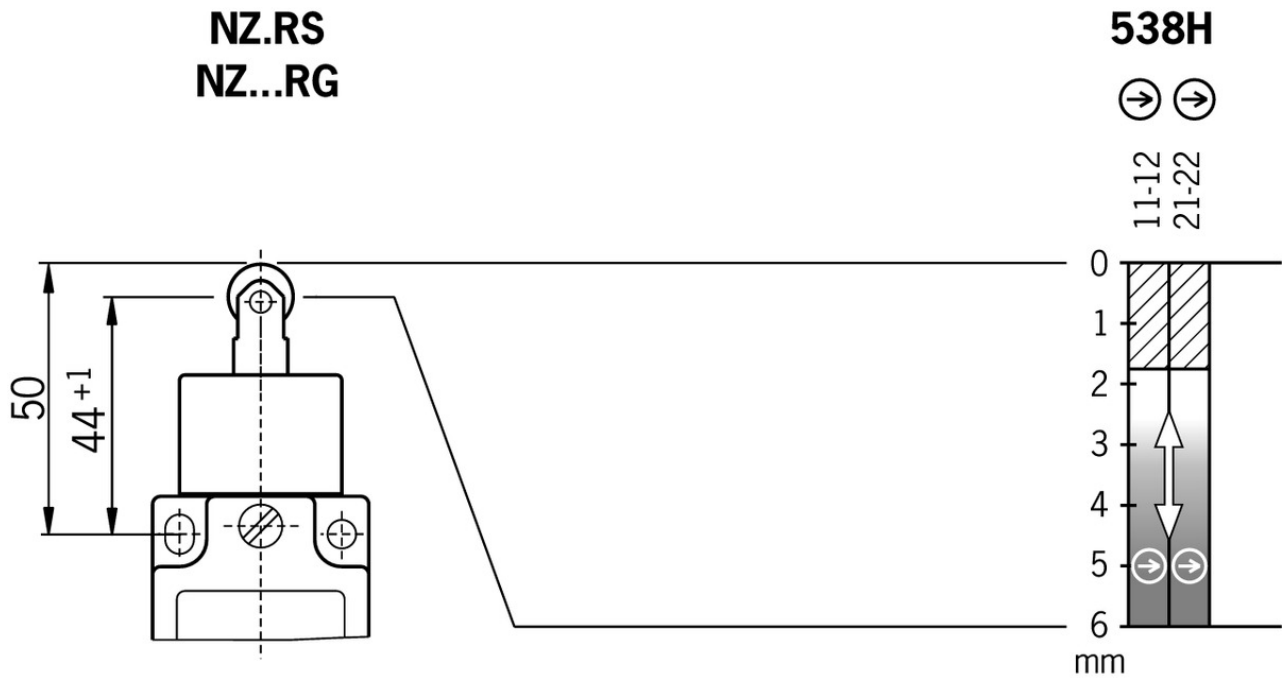
**Connector assignment**



**Legende**

View of connection side

## Travel diagram



## Instructions

- ▼ Betriebsanleitung Sicherheitsschalter NZ.D.../NZ.W.../NZ.R... AS1

|   | Doc. no. | Version  | Language | Download |
|---|----------|----------|----------|----------|
| Betriebsanleitung Sicherheitsschalter NZ.D.../NZ.W.../NZ.R... AS1<br>Operating Instructions Safety Switch NZ.D.../NZ.W.../NZ.R... AS1 | 095118   | 04-02/16 | <br>     | 0.5 MB   |

## Catalogs

- ▼ Sicherheitsschalter mit AS-Interface Safety Switches with AS-Interface Interrupteurs de sécurité avec AS-Interface

|   | Doc. no. | Version  | Language | Download |
|---|----------|----------|----------|----------|
| Sicherheitsschalter mit AS-Interface        | 092164   | 11-04/17 |          | 2.3 MB   |
| Interrupteurs de sécurité avec AS-Interface | 112564   | 11-04/17 |          | 2.3 MB   |
| Safety Switches with AS-Interface           | 092332   | 11-04/17 |          | 2.3 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