

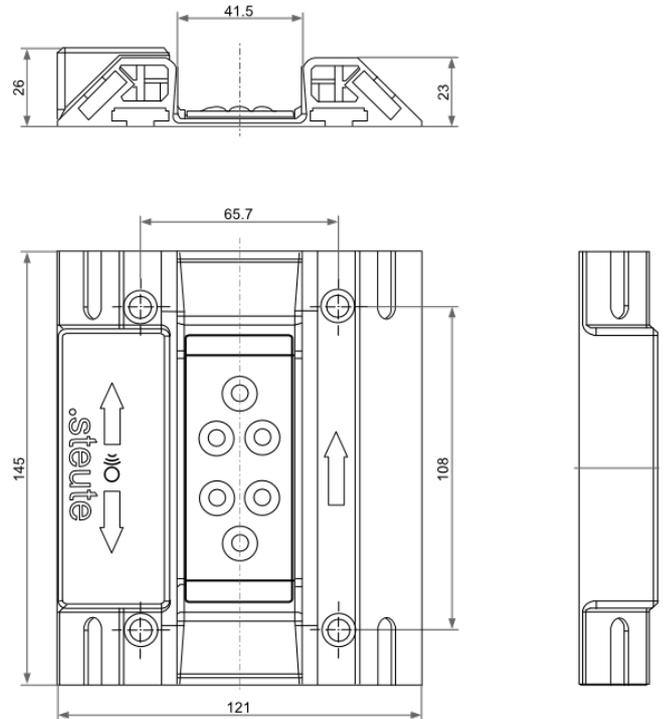


## Dolly sensor RF DSENS-40 SW868-NET Type-A ESD Article no.: 1425107

### Product features

- sWave.NET® wireless technology
- Simple mounting on commercially available 40 mm FiFo monorail rails from Orgatex or Bosch Rexroth
- ESD protection

### Dimensions



### General technical data

#### Applied standards

EN 300 220-2, EN 301 489-3, EN 60947-5-1, EN 61000-6-2, EN 61000-6-3, EN 55011, EN 55032

#### Enclosure

PC-ABS, UL 94 HB, red, similar to RAL 3003

#### Cover

PC-ABS, UL 94 HB, grey, similar to RAL 7015

#### Antenna

integrated antenna

#### Degree of protection

in installation position: IP54 (IEC/EN 60529), with water level on floor of max. 5 mm

#### B<sub>10d</sub> (10 % load)

depending on roller weight force: up to 30 kg: >250,000 operations; up to 60 kg: approx. 50,000-250,000 operations

#### T<sub>M</sub>

max. 10 years, depending on existing actuation frequency

#### Voltage source

integrated device batteries (1.5 VDC), automatic transmission of the battery voltage in the transmission telegram

#### Battery life

approx. 10 years (depending on actuation frequency)

#### Degree of pollution

2

#### Ambient temperature

-10 °C ... +50 °C (limited by portable D3batteries)

#### Storage and shipping temperature

-10 °C ... +50 °C (limited by portable D3batteries)

#### Actuating force / Actuation type

weight force per roll: min. 1 kg, max. 60 kg

#### Recovery time

max. 125 ms (from the start of the crossing with 1.0 m/s actuating speed to the transmission of a radio telegram)

#### Actuating speed

max. 4.8 m/s (with 50 cm roller spacing), max. 1.0 m/s (with 12 cm roller spacing)

#### Mechanical life

depending on roller weight force: up to 30 kg: >250,000 operations; up to 60 kg: approx. 50,000-250,000 operations

Errors and omissions excepted.



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### General technical data (contd.)

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**Telegram rate**

max. 12000 telegrams with repetitions/h

**Wireless approvals**

Europe: RED 2014/53/EU

### Wireless technology

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**Frequency**

868.3 MHz (Europe)

**Protocol**

sWave.NET®

**Data rate**

66 kbps

**Transmission power**

< 25 mW

**Channel bandwidth**

350 kHz

**Wireless range**

max. 450 m outdoors, max. 40 m indoors

**Modulation type**

2-FSK

**Note**

- Enclosure and cover are resistant to acids, saline solutions, cleaning agents (soaps) and urea.  
Enclosure and cover are conditionally resistant to hydrocarbons and alcohols.  
Enclosure and cover are not resistant to oils, greases, halogens and alkalis.