

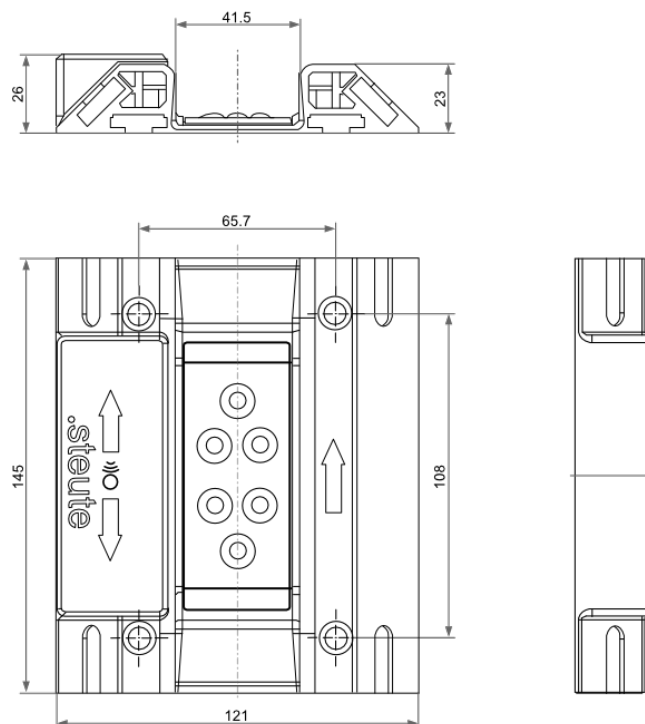


Dolly sensor RF DSENS-40 SW868-NET Type-A ESD Material no.: 1425107

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 301 489-1, 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

internal antenna

Degree of protection

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

B_{10d} (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_M

max. 10 years, depending on existing actuation frequency

Voltage source

integrated device batteries (1.5 VDC), automatic transmission of the battery cell 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.)

Operation cycles

max. 12000 telegrams with repetitions/h

Wireless approvals

Europe: RED 2014/53/EU

Wireless technology

Protocol

sWave.NET®

Data rate

66 kbps

Frequency

868.3 MHz (Europe)

Channel bandwidth

350 kHz

Transmission power

< 25 mW

Wireless range

max. 450 m outdoors, max. 40 m indoors

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.