

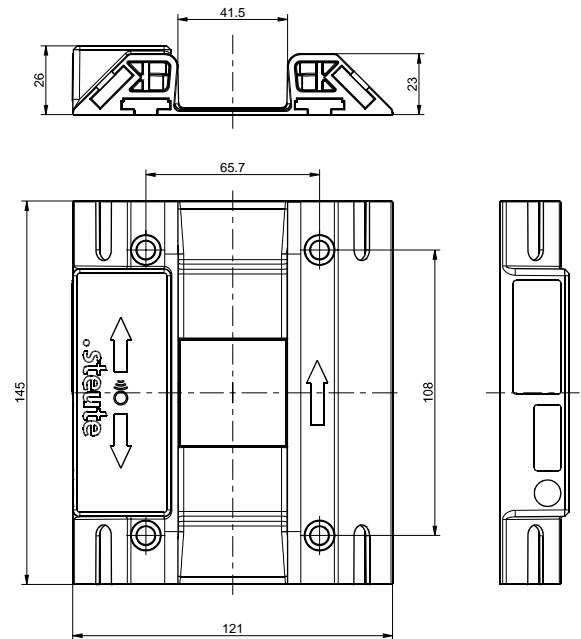


Wireless dolly sensor RF DSENS-40 SW922-NET Type-B ESD Material no.: on request

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, max. 5 mm Wasserhöhe auf dem Boden

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

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


Operation cycles

max. 1440 telegrams with repetitions/h

Wireless range

max. 150 m outdoors,
max. 20 m indoors

Wireless approvals

Japan:  ARIB STD-T108: 204-610002

Errors and omissions excepted.



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Wireless technology

Protocol sWave.NET®	Data rate 66 kbps
Frequency 916.5 MHz (Japan)	Channel bandwidth 520 kHz
Transmission power < 1 mW	

Voltage supply

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)
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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.