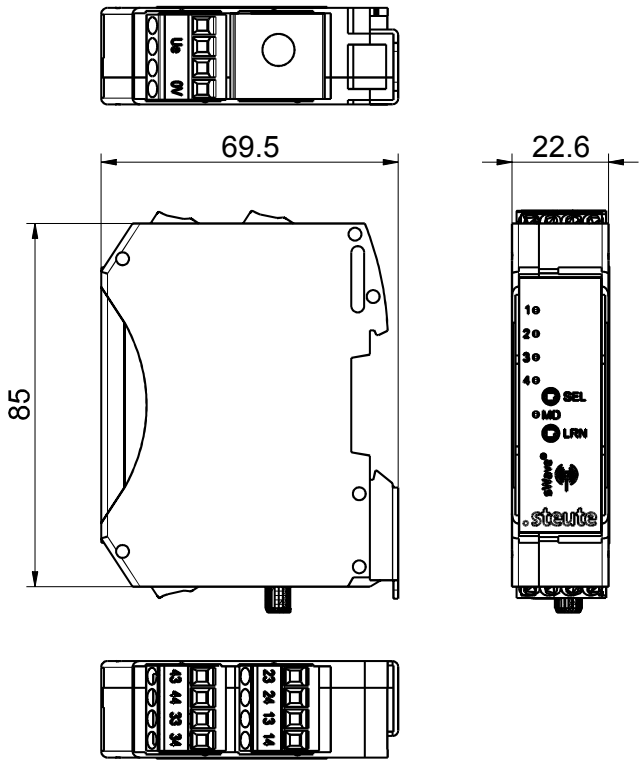
Wireless actor with 4 outputs - 48 VDC
RF Rx SW922-NET-4S-A 48V
Material no.: on request

Product features

- sWave.NET® wireless technology
- 4 potential-free optocoupler outputs
- Simple operation and integration in existing ERP systems via Sensor Bridge
- LEDs for indication of switching state
- SMA plug-in connector for external antenna

Notes
- External antenna always required for optimum wireless range

Dimensions



General technical data

Applied standards
EN 60947-5-1, EN 61000-6-2, EN 61000-6-3, EN 61000-4-2, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 60068-2-6, EN 60068-2-27, EN 301 489-1, EN 301 489-3, EN 300 220-1, EN 300 220-2

Enclosure
thermoplastic, glass-fibre reinforced, shockproof, self-extinguishing UL 94 V-0

Degree of protection
IP20 (IEC/EN 60529)

Number of channels
4

Mounting
DIN rail mounting

Connection
screw connection terminals 0.14 mm² - 2,5 mm², stripping length 8 mm

Inputs
2 additional push buttons (SEL, LRN)

Outputs
4 potential-free normally open contacts (optoelectronic photo relays)

Rated operating voltage range U_B
12...48 VDC (-10 % ... +25 %, abs. max. 60 V)

Rated operating current I_e
48 VDC: max. 16 mA
24 VDC: max. 21 mA

Current absorption
at 48 VDC:
typ. 1.9 mA (standby current)
typ. 8 mA (1 output switched)
typ. 8 mA (2 outputs switched)
typ. 9 mA (3 outputs switched)
typ. 10 mA (4 outputs switched)

Rated operating voltage U_e
48 VDC

Rated operating current/voltage I_e/U_e
output contacts: 0.5 A / 48 VDC (abs. max. 60 V)

Errors and omissions excepted.

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General technical data (contd.)

Utilisation category
DC-13

Display
green LED: ready for operation,
orange LED: signalling of switching state

Operation cycles
max. 1440 telegrams with repetitions/h

Degree of pollution
2

Ambient temperature
0 °C ⋯ +55 °C

Storage and shipping temperature
–25 °C ⋯ +85 °C

Note
Inductive loads (contactors, relays etc.) are to be suppressed by suitable circuitry.
Switching contacts are not suitable for capacitive loads.

Wireless approvals
Japan: ARIB STD-T108: 204-610002

Wireless technology

Protocol
sWave.NET®

Frequency
916.5 MHz (Japan)

Transmission power
< 1 mW

Data rate
66 kbps

Channel bandwidth
520 kHz

Wireless range
max. 230 m outdoors, max. 25 m indoors

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