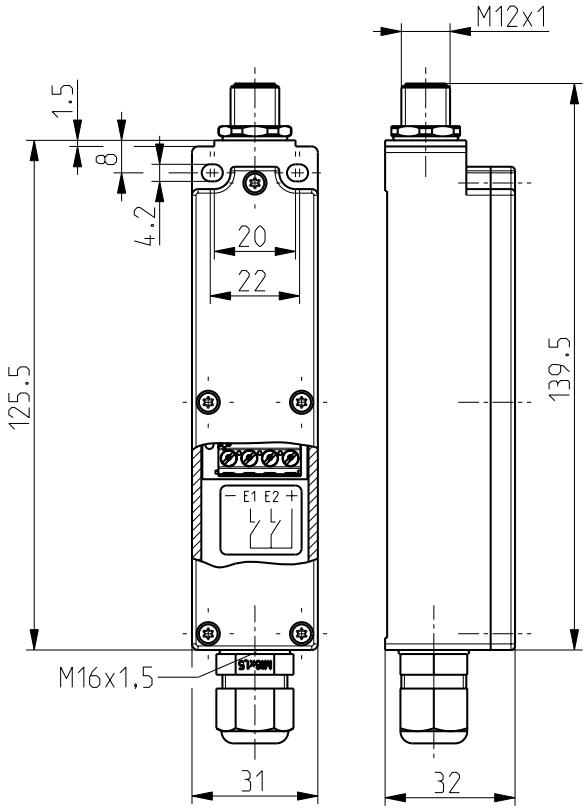
Universal transmitter with external power supply - 1 port
RF 96 ST SW868 Vcc extern-NET
Article no.: 1467609

Product features

- sWave.NET® wireless technology
- Cable-free - with cost savings for installation and maintenance
- Configurable online via wireless interface
- Simple operation and integration in existing ERP systems via Sensor Bridge
- High scalability - up to several hundred sensors in one application
- External power supply via M12 plug-in connector

Dimensions



General technical data

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

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

Tightening torque
M4 enclosure mounting screws: max 1.2 Nm
M2.5 cover screws: approx. 0.45 Nm

Degree of protection
IP67 (IEC/EN 60529), only with plugged cable

Voltage source
24 VDC

Connection
plug-in connector M12 x 1, 4-pole, A-coded

Ambient temperature
–20 °C ⋯ +65 °C

Switching frequency
max. 5 Hz

Rated operating voltage range U_B
10 ⋯ 30 VDC Pin 1 and Pin 3 plug-in connector M12

Rated insulation voltage U_i
75 VDC

Rated impulse withstand voltage U_{imp}
0.5 kV

Rated operating current I_e
2.5 mA

Standby current
15 µA (if sensor is not connected)

Voltage drop U_e - U_{out}
1.5 V

Load current
max. 100 mA

Switching points
> 5 VDC (E1, E2)

Actuating time
min. 80 ms

Errors and omissions excepted.

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General technical data (contd.)

Wireless approvals
Europe: RED 2014/53/EU

Mounting
screws M4

Wireless technology

Frequency
868.3 MHz (Europe)

Data rate
66 kbps

Channel bandwidth
350 kHz

Modulation type
2-FSK

Protocol
sWave.NET®

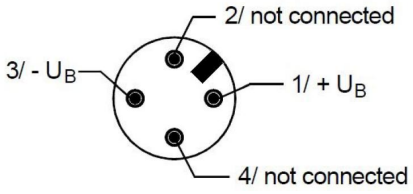
Transmission power
< 25 mW

Wireless range
max. 450 m outdoors, max. 40 m indoors

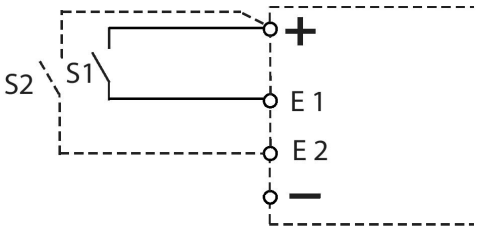
Pin assignment / Power supply

M12 x 1

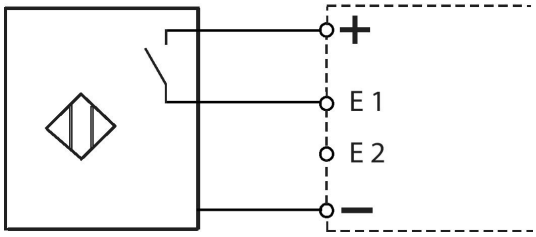
1 BN	$+U_B$
2 WH	NC
3 BU	$-U_B$
4 BK	NC



External switch contact



Sensors



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