

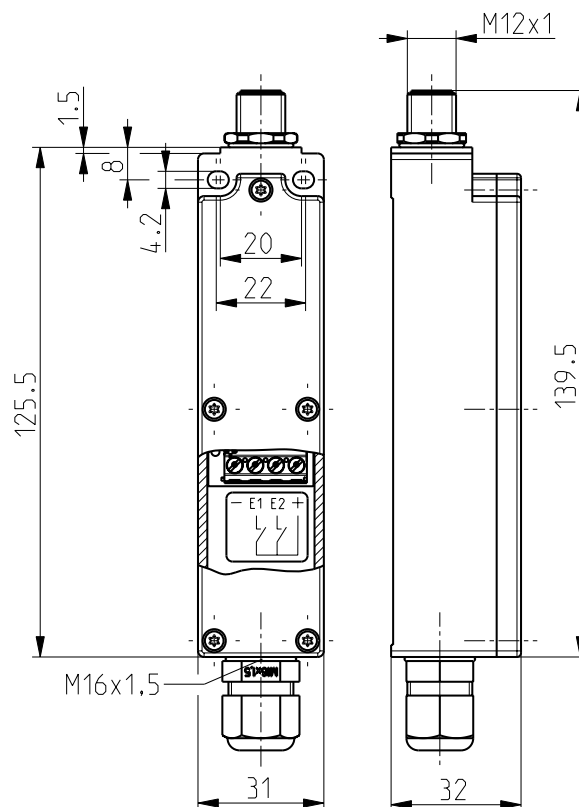


## Universal transmitter with external power supply - 1 port RF 96 ST SW915B Vcc extern-NET Article no.: on request

### 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  $\mu$ A (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.



## Universal transmitter with external power supply - 1 port RF 96 ST SW915B Vcc extern-NET Article no.: on request

### General technical data (contd.)

#### Wireless approvals

USA: FCC-Id. XK5-RFRXSW915  
Canada: IC - 5158A-RFRXSW915

#### Mounting

screws M4

### Wireless technology

#### General

#### Frequency

914.2 MHz (USA, Canada)

#### Data rate

62.5 kbps

#### Channel bandwidth

500 kHz

#### Modulation type

CSS

#### Protocol

sWave.NET®

#### Transmission power

< 25 mW

#### Wireless approvals

USA: FCC - VPYLBA00QB1SJ  
Canada: IC - 772C-LBAA00QB1SJ

#### Function

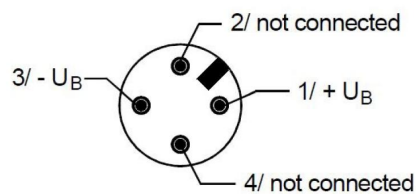
#### Wireless range

max. 450 m outdoors, max. 40 m indoors

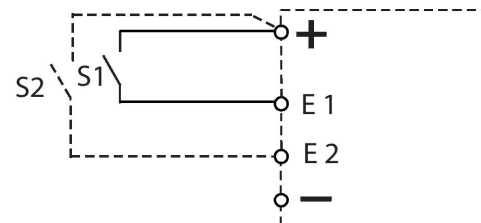
### Pin assignment / Power supply

M12 x 1

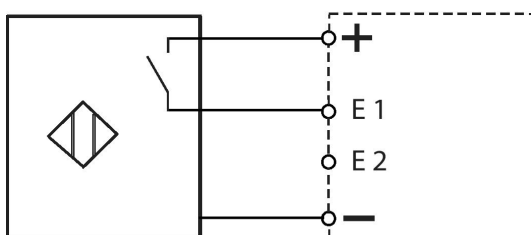
1 BN +U<sub>B</sub>  
2 WH NC  
3 BU -U<sub>B</sub>  
4 BK NC



### External switch contact



### Sensors



Errors and omissions excepted.