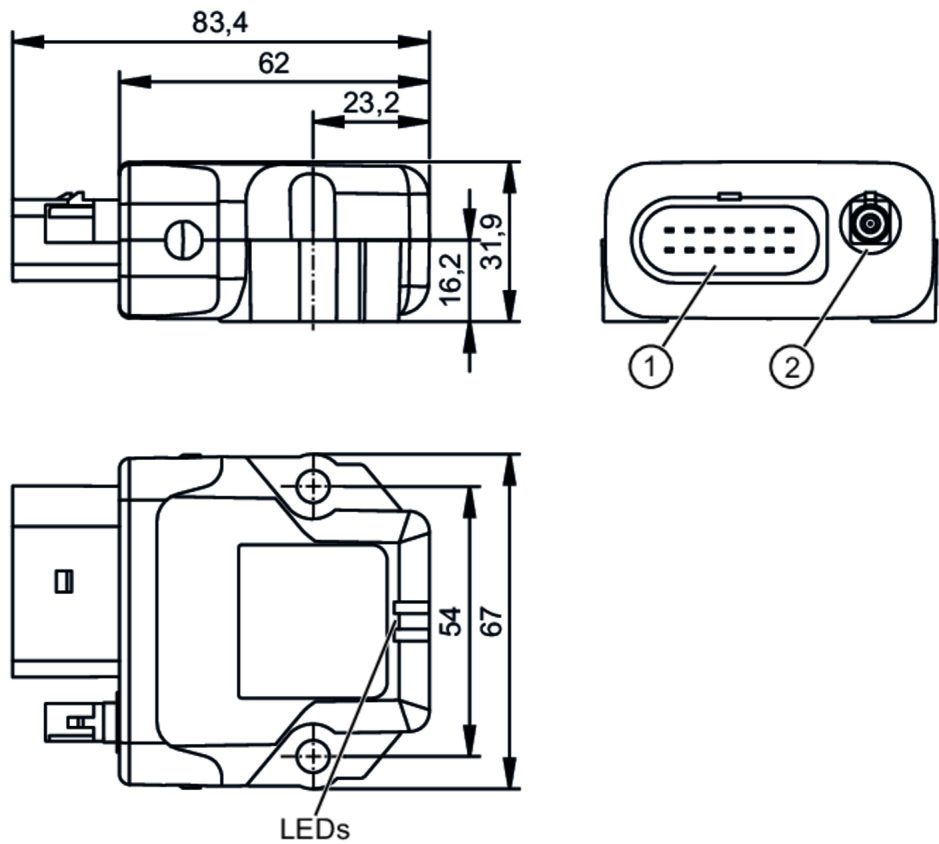




CANwireless з підключенням зовнішньої антени

CANwireless/WLAN/BLE/Ant.



- 1 Micro Timer II конектор
- 2 FAKRA розетка



| Electrical data              |      |                                                            |
|------------------------------|------|------------------------------------------------------------|
| Operating voltage            | [V]  | 6...36 DC                                                  |
| Nominal voltage DC           | [V]  | 12 / 24                                                    |
| Nominal voltage tolerance    | [%]  | 50                                                         |
| Current consumption          | [mA] | < 100; (normal operation; sleep mode: < 1 mA)              |
| Reverse polarity protection  |      | yes; (< 36 V DC)                                           |
| Overvoltage protection       |      | yes; (< 36 V DC)                                           |
| Internal resistance (Ri)     | [Ω]  | 20000                                                      |
| Inputs / outputs             |      |                                                            |
| Number of inputs and outputs |      | Number of analogue inputs: 2; Number of digital outputs: 1 |
| Inputs                       |      |                                                            |
| Number of analogue inputs    |      | 2                                                          |
| Analogue input (voltage)     | [V]  | 0...15                                                     |
| Resolution of analogue input |      | 12 Bit                                                     |
| Precision analogue input     | [%]  | ± 1,0                                                      |
| Outputs                      |      |                                                            |
| Number of digital outputs    |      | 1                                                          |
| Voltage range DC             | [V]  | 6...36                                                     |



## CANwireless з підключенням зовнішньої антени

CANwireless/WLAN/BLE/Ant.

|                                                 |      |      |
|-------------------------------------------------|------|------|
| Permanent current rating of switching output DC | [mA] | 500  |
| Switching frequency DC                          | [Hz] | < 10 |

## Measuring/setting range

|               |      |    |
|---------------|------|----|
| Sampling rate | [Hz] | 20 |
|---------------|------|----|

## Interfaces

|                          |                      |
|--------------------------|----------------------|
| Communication interface  | CAN; WLAN; Bluetooth |
| Number of CAN interfaces | 2                    |

## Bluetooth

|                       |                  |
|-----------------------|------------------|
| Transmission standard | EDR 2.1; EDR 5.0 |
| Transmission power    | [mW] 22.39       |

## CAN

|           |                                 |
|-----------|---------------------------------|
| Interface | CAN Interface 2.0 A/B ISO 11898 |
|-----------|---------------------------------|

## WLAN

|                       |                                                            |
|-----------------------|------------------------------------------------------------|
| Transmission standard | IEEE 802.11 a/b/g/n                                        |
| Frequency band        | 2,4 GHz; 5 GHz                                             |
| Transmission power    | [mW] 53.23; (2,4 GHz; 22,39 mW; 5 GHz; Antenna integrated) |

## Operating conditions

|                     |               |
|---------------------|---------------|
| Ambient temperature | [°C] -40...85 |
| Protection          | IP 6K7        |

## Tests / approvals

|          |                                                                     |  |
|----------|---------------------------------------------------------------------|--|
| EMC      | EN 301489-1                                                         |  |
|          | EN 301489-17                                                        |  |
|          | EN IEC 61000-6-2                                                    |  |
|          | EN ISO 13766-1                                                      |  |
| Standard | EN 62368-1; EN 62311; EN 300328; EN 300440; EN 301893; EN IEC 63000 |  |

## Mechanical data

|           |                        |
|-----------|------------------------|
| Weight    | [g] 142.6              |
| Materials | housing: PA6/6.6 black |

## Displays / operating elements

|         |        |                       |
|---------|--------|-----------------------|
| Display | status | 2 x LED, multi-colour |
|---------|--------|-----------------------|

## Апаратне забезпечення

|                |                                                   |
|----------------|---------------------------------------------------|
| Processor      | ARM Cortex M7 based STM32 (400 MHz)               |
| Working memory | Program Flash: 1 MB<br>FRAM: 8 KB<br>SRAM: 564 KB |
| Mass storage   | 16 MB                                             |

## Remarks

|               |        |
|---------------|--------|
| Pack quantity | 1 pcs. |
|---------------|--------|

## Electrical connection - WLAN / Bluetooth

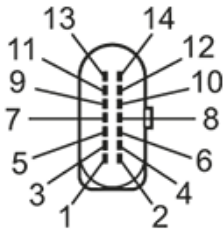
Connector: FAKRA I



CANwireless з підключенням зовнішньої антени

CANwireless/WLAN/BLE/Ant.

Electrical connection - plug



|    |                           |
|----|---------------------------|
| 1  | supply VCC terminal 30    |
| 2  | Factory setting 1 input   |
| 3  | GND terminal 31           |
| 4  | analogue input 1          |
| 5  | analogue input 2          |
| 6  | not used                  |
| 7  | digital output 1          |
| 8  | digital input terminal 15 |
| 9  | Factory setting 2 input   |
| 10 | GND terminal 31           |
| 11 | CAN2_H bidirectional      |
| 12 | CAN2_L bidirectional      |
| 13 | CAN1_H bidirectional      |
| 14 | CAN1_L bidirectional      |