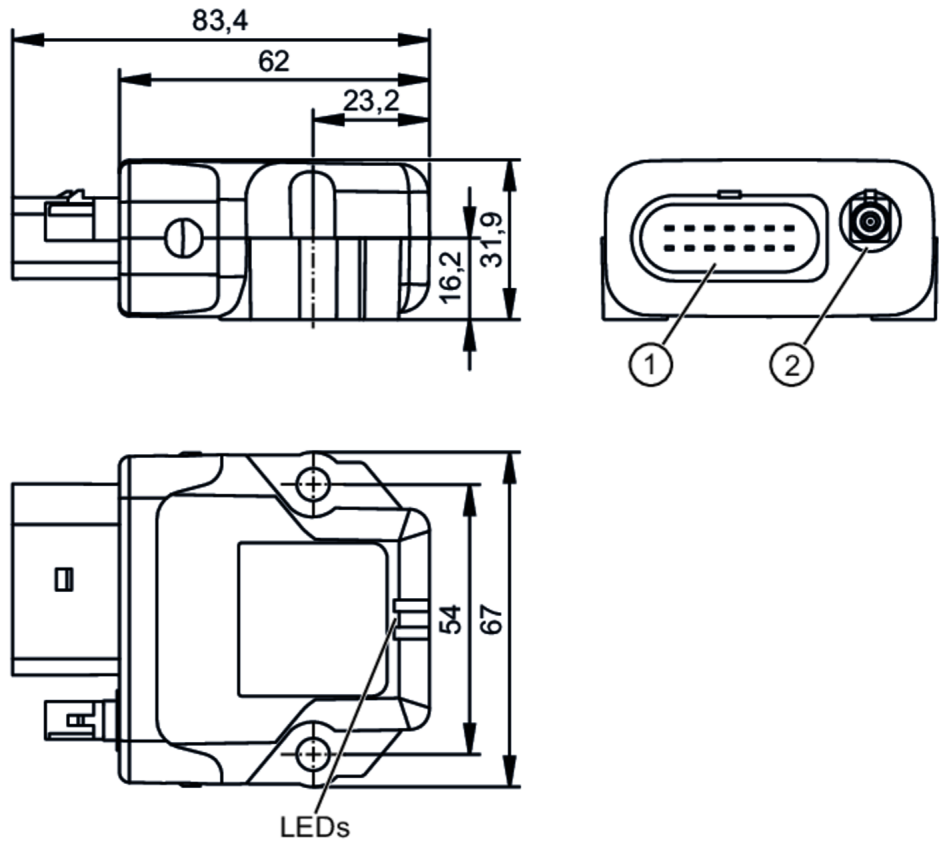




CANwireless with external antenna connection

CANwireless/WLAN/BLE/Ant.



- 1 Micro Timer II connector
- 2 FAKRA socket



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 with external antenna connection

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
---------	--------	-----------------------

Hardware

Processor	ARM Cortex M7 based STM32 (400 MHz)
RAM	Program Flash: 1 MB FRAM: 8 KB SRAM: 564 KB
Mass storage	16 MB

Remarks

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

Electrical connection - WLAN / Bluetooth

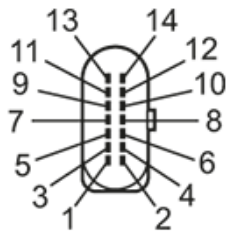
Connector: FAKRA I



CANwireless with external antenna connection

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