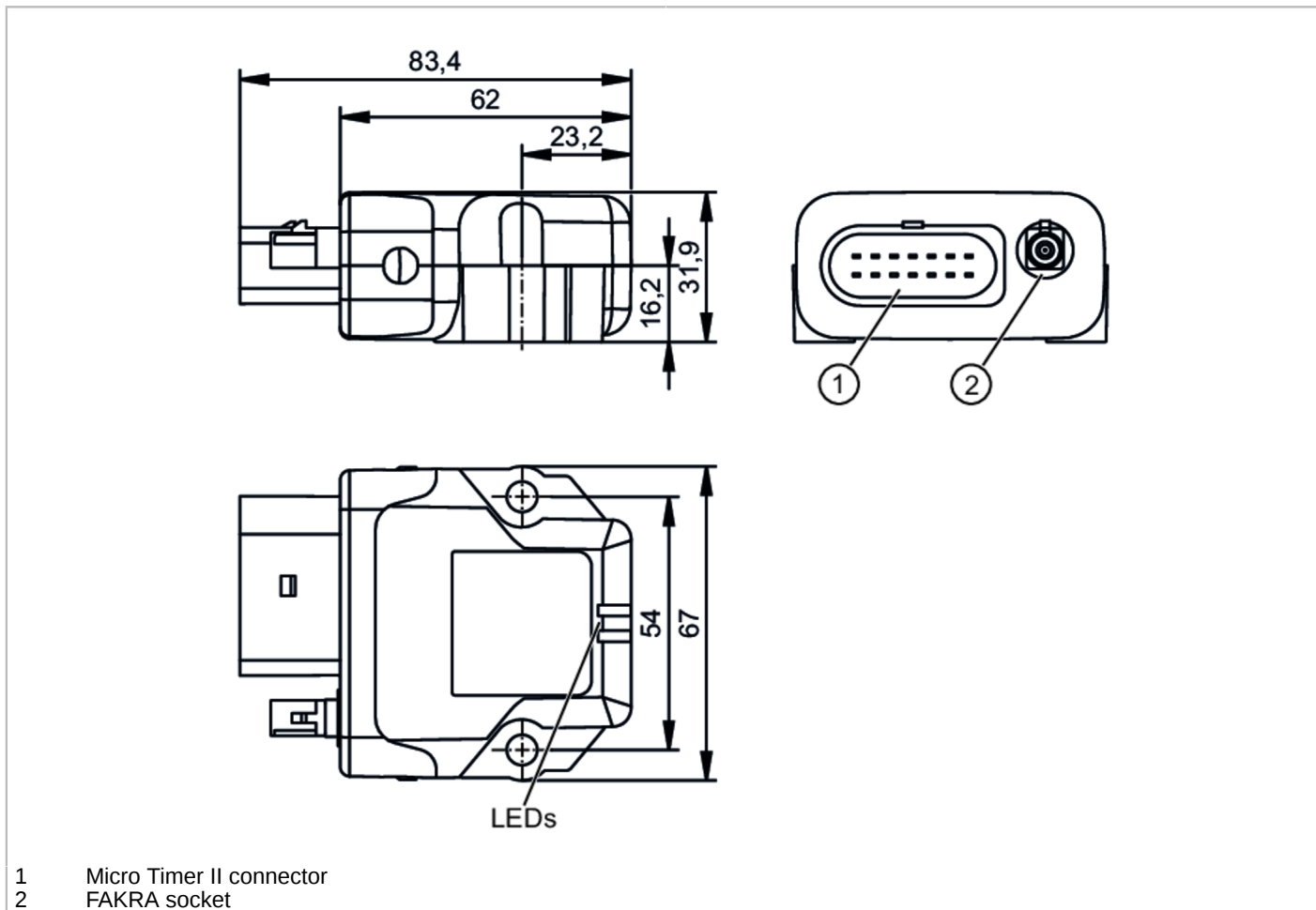




CANwireless with external antenna connection

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 analog inputs: 2; Number of digital outputs: 1
Inputs		
Number of analog inputs		2
Analog input (voltage)	[V]	0...15
Resolution of analog input		12 Bit
Precision analog input	[%]	± 1,0
Outputs		
Number of digital outputs		1
Voltage range DC	[V]	6...36



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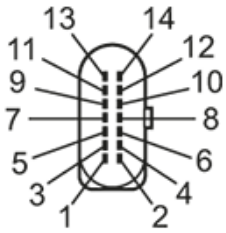
Permanent current rating of switching output DC	[mA]	500
Switching frequency DC	[Hz]	< 10
Measuring/setting range		
Sampling rate	[Hz]	20
Interfaces		
Communication interface		CAN; WLAN; Bluetooth
Number of CAN interfaces		2
Bluetooth		
Transmission standard		EDR 2.1; EDR 5.0
Transmission power	[mW]	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
Material		housing: PA6/6.6 black
Displays / operating elements		
Display	status	2 x LED, multi-color
Hardware		
Processor		ARM Cortex M7 based STM32 (400 MHz)
Working memory		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		



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Electrical connection - plug



1	supply VCC terminal 30
2	Factory setting 1 Input
3	GND terminal 31
4	analog input 1
5	analog 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