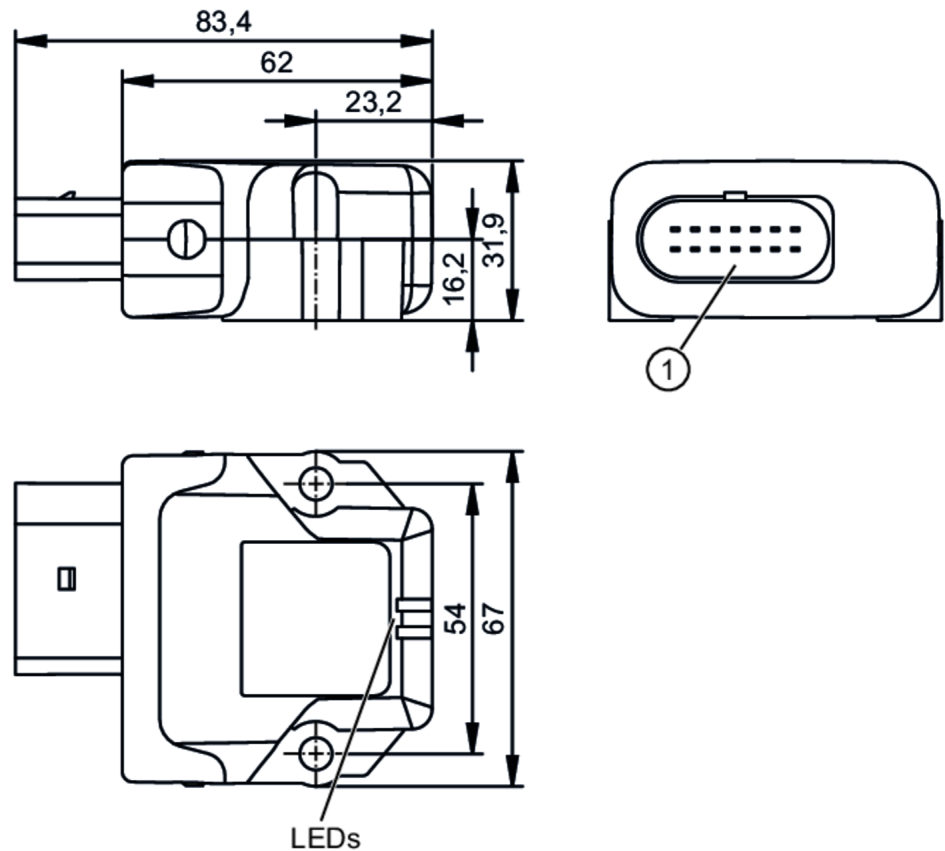




CANwireless with integrated antenna

CANwireless/WLAN/BLE



1 Micro Timer II connector



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



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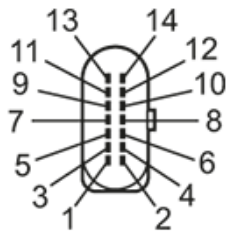
Permanent current rating of switching output DC	[mA]	500
Switching frequency DC	[Hz]	< 10
Measuring/setting range		
Sampling rate	[Hz]	20
Interfaces		
Communication interface	CAN; WLAN; Bluetooth	
Number of CAN interfaces	2	
Bluetooth		
Transmission standard	EDR 2.1; EDR 5.0	
Transmission power	[mW]	22.39; (Antenna integrated)
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]	136.9
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.	



CANwireless with integrated antenna

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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