

## Wireless module - FL BT EPA 2 - 1005869

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Bluetooth/Ethernet wireless module, 2.1+EDR/4.0, PAN P2P, internal antenna, IP65, 9 V DC ... 30 V DC, M12 connection, WEB, AT-commands and mode button

### Why buy this product

- Integrated antenna
- Protocol-transparent communication on Layer 2
- IP65 protection class
- Bluetooth wireless modul



### Key Commercial Data

Packing unit	1 STK
GTIN	 4 055626 476087
GTIN	4055626476087

### Technical data

#### Dimensions

Width	67.8 mm
Height	92.7 mm
Depth	33.2 mm
Note on dimensions	Without M12 connections

#### Ambient conditions

Ambient temperature (operation)	-40 °C ... 65 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Permissible humidity (operation)	non-condensing
Permissible humidity (storage/transport)	non-condensing
Degree of protection	IP65

#### Ethernet interface

# Wireless module - FL BT EPA 2 - 1005869

## Technical data

### Ethernet interface

Interface	Ethernet
Number	1
Connection method	M 12 connectors (D-coded, female)
Interface	10/100 Mbps Ethernet
Number of interfaces	1
Connection method	M 12 connectors (D-coded, female)
Note on the connection method	Auto negotiation and autocrossing
Transmission speed	10/100 Mbps
Transmission physics	Copper
Transmission length	100 m (per segment)

### Wireless interface

Designation	Bluetooth
Wireless standard	Bluetooth 2.1 + EDR
Antenna connection method	(Internal)
Frequency range	2.402 GHz ... 2.48 GHz (Bluetooth)
Transmission power	max. 10 dBm
Number of wireless interfaces	1 Bluetooth 2.1+EDR
Wireless modules that can be connected	1

### Wireless card

Number	1
Assembly instructions	Permanently installed

### Antenna

Assembly instructions	Internal antenna
Number	1

### Power supply for module electronics

Connection method	M12 connector (A-coded, male)
Supply voltage	24 V DC
Supply voltage range	9 V DC ... 30 V DC
Supply current	typ. 36 mA (at 24 V DC)
Current consumption	max. 190 mA (at 9 V DC)

### Functions

Configuration	Web interface, MODE button, AT commands (TCP/IP), SSC
Security	PIN
	Non-discoverable

### Digital inputs

Number of inputs	1
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### General

Mounting type	Wall mounting
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## Technical data

### General

Net weight	105 g
Wireless licenses	Europe, USA, Canada, additional countries in the e-shop
	RED (Radio Equipment Directive)
	FCC 47 CFR part 15, subpart B
Wireless licences	Belgium
	Bulgaria
	Denmark
	Germany
	Estonia
	Finland
	France
	Greece
	Great Britain
	Ireland
	Iceland
	Italy
	Canada
	Latvia
	Liechtenstein
	Lithuania
	Luxembourg
	Malta
	Netherlands
	Norway
	Austria
	Poland
	Portugal
	Romania
	Sweden
	Switzerland
	Slovakia
	Slovenia
	Spain
	Czech Republic
	Hungary
	USA
	Cyprus (rep.)
	Japan

### Standards and Regulations

## Wireless module - FL BT EPA 2 - 1005869

### Technical data

#### Standards and Regulations

Mechanical tests	Shock in acc. with EN 60068-2-27/IEC 60068-2-27 3g, 11 ms half-sine shock pulse
	Vibration resistance in acc. with EN 60068-2-6/IEC 60068-2-6 5 - 8.4 Hz= ±3.5 mm; 8.4 - 40.7 Hz = 1g; 40.7 - 57Hz= ±0.15 mm; 57 - 500 Hz= 2g
Standards/regulations	EN 61000-4-2
	EN 61000-4-3
	EN 61000-4-4
	EN 61000-4-5
	EN 55022
	EN 61000-4-6

#### Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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