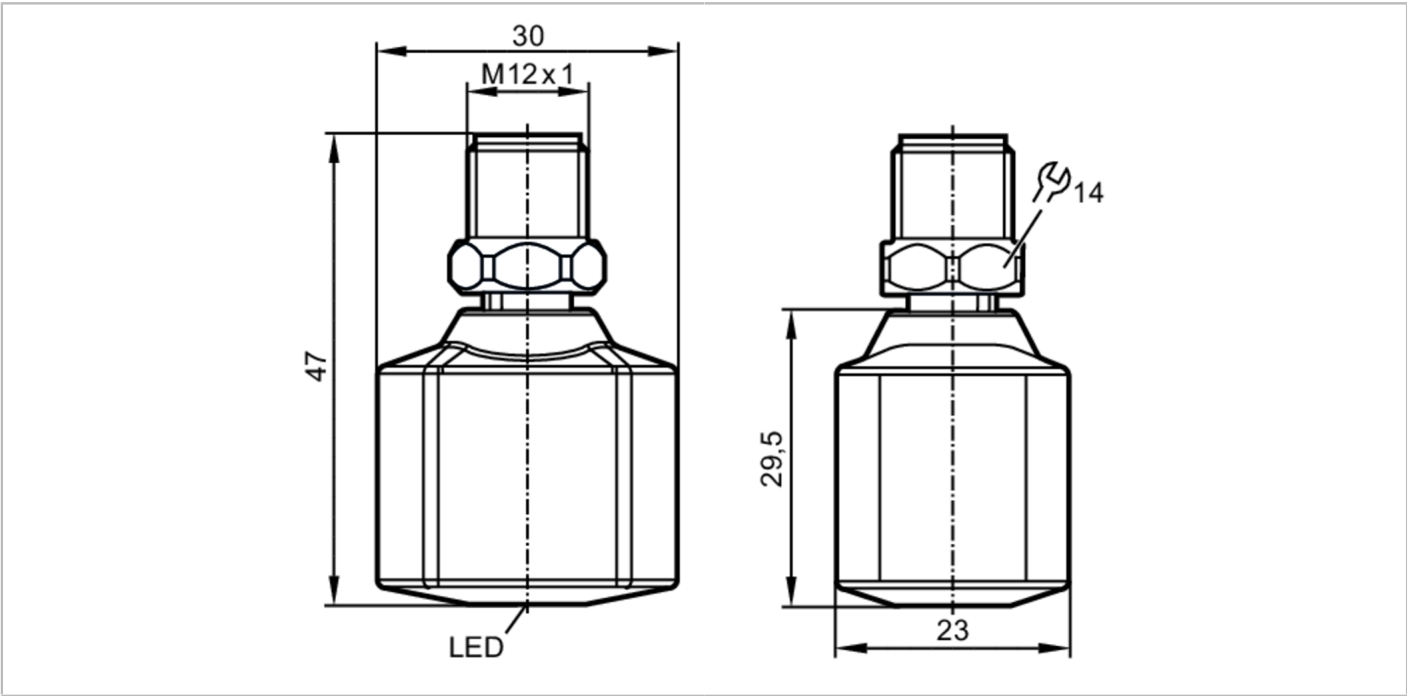




IO-Link Bluetooth adapter

IO-LINK BLUETOOTH ADAPTER MULTI RW



| Application                 |                                                                                                                                                                                                           |                                                |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| System                      | gold-plated contacts                                                                                                                                                                                      |                                                |
| Application                 | display of all process values of the sensors connected to the same master; device setup and diagnosis; parameter setting and analysis of units; Nur funktionsfähig mit ifm IO-Link Master ab Firmware 2.1 |                                                |
| Radio approval for          | EU/RED; Australia; USA; New Zealand; Canada; Japan; Brazil; China; South Africa; Argentina; Singapore; Mexico; Malaysia; Vietnam; Chile; Thailand; Taiwan; South Korea; India; Namibia; Indonesia         |                                                |
| Note on radio approval      | The list of countries applying the European Radio Equipment Directive 2014/53/EU (RED) can be found under “Downloads”.                                                                                    |                                                |
| Electrical data             |                                                                                                                                                                                                           |                                                |
| Operating voltage           | [V]                                                                                                                                                                                                       | 18...30 DC                                     |
| Nominal voltage DC          | [V]                                                                                                                                                                                                       | 24                                             |
| Current consumption         | [mA]                                                                                                                                                                                                      | < 30                                           |
| Protection class            |                                                                                                                                                                                                           | III                                            |
| Reverse polarity protection |                                                                                                                                                                                                           | yes                                            |
| Power-on delay time         | [s]                                                                                                                                                                                                       | for IO-Link communication < 0,3; Bluetooth < 1 |
| IO-Link Device              |                                                                                                                                                                                                           |                                                |
| Power-on delay time         | [s]                                                                                                                                                                                                       | < 0.3                                          |
| Software / programming      |                                                                                                                                                                                                           |                                                |
| Parameter setting options   | process value recording                                                                                                                                                                                   |                                                |
| Interfaces                  |                                                                                                                                                                                                           |                                                |
| Communication interface     | IO-Link; Bluetooth                                                                                                                                                                                        |                                                |
| Supported DeviceIDs         | Type of operation                                                                                                                                                                                         | DeviceID                                       |
|                             | IO-Link Device                                                                                                                                                                                            | 1313                                           |



## IO-Link Bluetooth adapter

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| Bluetooth                     |                                                    |                              |
|-------------------------------|----------------------------------------------------|------------------------------|
| Transmission standard         | BLE 4.0; BLE 4.1; BLE 4.2; EDR 2.0; EDR 2.1        |                              |
| Frequency band                | 2,4 - 2,482 GHz                                    |                              |
| Transmission power [mW]       | 10; (10 dBm)                                       |                              |
| Range                         | typ. 20 m                                          |                              |
| IO-Link Device                |                                                    |                              |
| Transmission type             | COM3 (230,4 kBaud)                                 |                              |
| IO-Link revision              | 1.1                                                |                              |
| SDCI standard                 | IEC 61131-9                                        |                              |
| Profiles                      | Function                                           | Device identification        |
|                               | Function                                           | Device diagnosis             |
|                               | Function                                           | Extended identification      |
| Required master port class    | A                                                  |                              |
| Min. process cycle time [ms]  | 2.3                                                |                              |
| Operating conditions          |                                                    |                              |
| Ambient temperature [°C]      | -25...60                                           |                              |
| Storage temperature [°C]      | -40...70                                           |                              |
| Protection                    | IP 67; IP 69K                                      |                              |
| Tests / approvals             |                                                    |                              |
| EMC                           | DIN EN 61000-6-2                                   |                              |
|                               | DIN EN 61000-6-3                                   | in a closed metal tank       |
| Shock resistance              | DIN EN 60068-2-27                                  | 15 g (6 ms)                  |
| Vibration resistance          | DIN EN 60068-2-6                                   | 2 g (10...150 Hz)            |
| MTTF [years]                  | 281                                                |                              |
| UL approval                   | Ta                                                 | max. 55 °C                   |
|                               | Enclosure type                                     | Type 1                       |
|                               | voltage supply                                     | Low Voltage / Limited Energy |
|                               | File number UL                                     | E205959                      |
| Mechanical data               |                                                    |                              |
| Weight [g]                    | 94                                                 |                              |
| Material                      | stainless steel (1.4404 / 316L); PA; sealing: FKM; |                              |
| Displays / operating elements |                                                    |                              |
| Display                       | Power Bluetooth error                              | 1 x LED, three-color         |
| Remarks                       |                                                    |                              |
| Remarks                       | the device complies with overvoltage category II   |                              |
| Pack quantity                 | 1 pcs.                                             |                              |

# EIO330



## IO-Link Bluetooth adapter

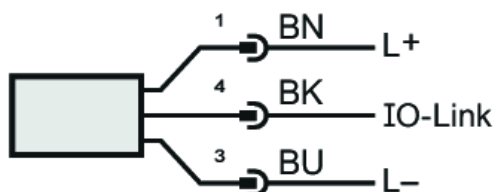
IO-LINK BLUETOOTH ADAPTER MULTI RW

### Electrical connection

Connector: 1 x M12; coding: A; Contacts: gold-plated



### Connection



Colors to DIN EN 60947-5-2

Core colors :

BK = black  
BN = brown  
BU = blue