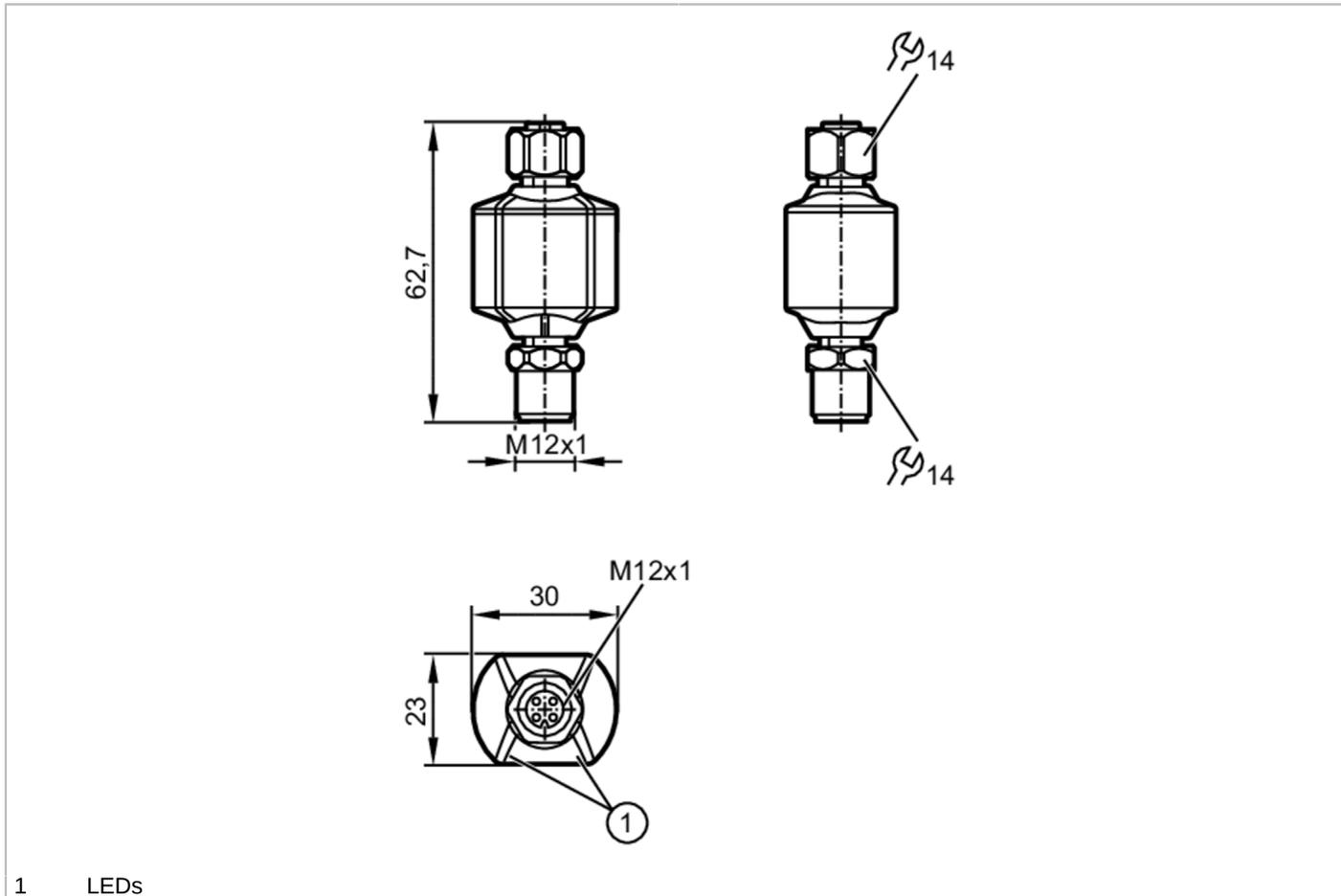


# EIO344



## Bluetooth mesh IO-Link adapter

BLUETOOTH MESH IO-LINK ADAPTER



1 LEDs



| Product characteristics      |   |
|------------------------------|---|
| Number of inputs and outputs | Number of digital outputs: 1  |
| Application                  |   |
| System                       | gold-plated contacts  |
| Radio approval for           | EU/RED; Great Britain; USA; Canada; Japan; Namibia; Singapore; Australia; India; Vietnam; New Zealand; Indonesia; Malaysia; Thailand; Ukraine; Taiwan; Argentina; Chile; South Korea; South Africa; Mexico; China; Brazil |
| 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; (limitation due to ES1 and PS2)   |
| Nominal voltage DC [V]       | 24  |
| Current consumption [mA]     | < 20  |
| Protection class             | III   |
| Reverse polarity protection  | yes; (supply side)  |
| Max. current load total [A]  | 0.83  |
| Inputs / outputs             |   |
| Number of inputs and outputs | Number of digital outputs: 1  |



## Bluetooth mesh IO-Link adapter

BLUETOOTH MESH IO-LINK ADAPTER

| Outputs  |   |                              |
|--|---|------------------------------|
| Output signal  | switching signal; IO-Link                               |                              |
| Electrical design                                    | PNP   |                              |
| Number of digital outputs                            | 1   |                              |
| Output function                                      | normally open / closed                                  |                              |
| Max. voltage drop switching output DC [V]            | 2.5   |                              |
| Permanent current rating of switching output DC [mA] | 200   |                              |
| Type of short-circuit protection                     | yes (non-latching)                                      |                              |
| Short-circuit proof                                  | yes   |                              |
| Overload protection                                  | yes   |                              |
| Interfaces   |   |                              |
| Communication interface                              | IO-Link; Bluetooth                                      |                              |
| Supported DeviceIDs                                  | Type of operation                                       | DeviceID                     |
|  | IO-Link Device  | 1591                         |
| Bluetooth  |   |                              |
| Transmission standard                                | BLE 5.0   |                              |
| Frequency band                                       | 2,4 GHz   |                              |
| Transmission power [mW]                              | 10; (10 dBm)  |                              |
| Range  | typ. 20 m   |                              |
| IO-Link Device                                       |   |                              |
| Transmission type                                    | COM2 (38,4 kBaud)                                       |                              |
| IO-Link revision                                     | 1.0; 1.1  |                              |
| SDCI standard  | IEC 61131-9   |                              |
| Profiles   | Common - I&D  | Identification and Diagnosis |
| Required master port class                           | A   |                              |
| Min. process cycle time [ms]                         | 4.4   |                              |
| IO-Link Master                                       |   |                              |
| Number of ports                                      | 1   |                              |
| Unterstützte IO-Link Revision                        | 1.1   |                              |
| Transmission type                                    | COM1 (4,8 kBaud); COM2 (38,4 kBaud); COM3 (230,4 kBaud) |                              |
| SDCI standard  | IEC 61131-9   |                              |
| Operating conditions                                 |   |                              |
| Ambient temperature [°C]                             | -25...60  |                              |
| Storage temperature [°C]                             | -25...70  |                              |
| Protection   | IP 67; IP 69K   |                              |
| Tests / approvals                                    |   |                              |
| EMC  | DIN EN 61000-6-2  |                              |
|  | DIN EN 61000-6-3  |                              |
| 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]   | 218   |                              |
| UL approval  | File number UL  | E537924                      |

# EIO344



## Bluetooth mesh IO-Link adapter

BLUETOOTH MESH IO-LINK ADAPTER

### Mechanical data

|          |  |      |
|----------|--|------|
| Weight   | [g]                                      | 92.2 |
| Material | PA; stainless steel (1.4404 / 316L); FKM |      |

### Displays / operating elements

|         |                 |            |
|---------|-----------------|------------|
| Display | Power           | LED, green |
|         | warning / fault | LED, red   |
|         | Bluetooth       | LED, blue  |

### Remarks

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

### Electrical connection - plug

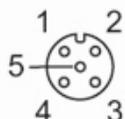
Connector: 1 x M12; coding: A; Contacts: gold-plated



|   |                                  |
|---|----------------------------------|
| 1 | L+ supply                        |
| 2 | OUT2 linked through              |
| 3 | L- supply                        |
| 4 | OUT1 switching output or IO-Link |

### Electrical connection - Socket

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



|   |                     |
|---|---------------------|
| 1 | L+ supply           |
| 2 | OUT2 linked through |
| 3 | L- supply           |
| 4 | IO-Link             |
| 5 | not used            |

# EIO344



## Bluetooth mesh IO-Link adapter

BLUETOOTH MESH IO-LINK ADAPTER

### Electrical connection

#### Connection

