

VU121

## Bluetooth® Module

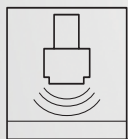
Remote Operation via Bluetooth®  
Wireless Technology

ATEX/IECEX:

Ex ia, Ex db, Ex db eb, Ex ec, Ex ta/tb,  
Ex tb, Ex tc

EPL: Ga, Ga/Gb, Gb, Gc, Da/Db, Db, Dc

Temperature Tables



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With regard to the supply of products, the current issue of the following document is applicable:  
The General Terms of Delivery for Products and Services of the Electrical Industry, published by the Central Association of the Electrical Industry (Zentralverband Elektrotechnik und Elektroindustrie (ZVEI) e.V.) in its most recent version as well as the supplementary clause: "Expanded reservation of proprietorship"

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## 1 Associated Documentation

The corresponding datasheets, manuals, instruction manuals, declarations of conformity, EUs type examination certificates, certificates, and control drawings if applicable are an integral part of this document. You can find this information under [www.pepperl-fuchs.com](http://www.pepperl-fuchs.com).

This document does not substitute the instruction manual.

For full information on the product, refer to the instruction manual and further documentation on the Internet at [www.pepperl-fuchs.com](http://www.pepperl-fuchs.com).

This document is an integral part of the following documents:

- Manual: DOCT-8342
- Instruction manual: DOCT-8400

For specific device information such as the year of construction, scan the QR code on the device. As an alternative, enter the serial number in the serial number search at [www.pepperl-fuchs.com](http://www.pepperl-fuchs.com).

## 2 Supplementary Documentation

Information for explosion protection:

The information can be found on the Internet at [www.pepperl-fuchs.com](http://www.pepperl-fuchs.com).

## 3 Manufacturer's Certificates

### EU Declaration of Conformity

Declaration number: DOC-7443

The EU Declaration of Conformity is available on the product detail page of the devices on the internet at [www.pepperl-fuchs.com](http://www.pepperl-fuchs.com).

Enter the order designation in the search field → Select the appropriate product → Open the product detail page → Open the **Approvals+Certificates** tab.

### EU Type-Examination Certificate

Certificate number: CSANe 23ATEX1157X

List of applied standards: see EU Declaration of Conformity

### IEC Declaration of Conformity

Certificate number: IECEx CSAE 23.0044X

List of applied standards: see IECEx certificate

## 4 Manufacturer Address

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Internet: [www.pepperl-fuchs.com](http://www.pepperl-fuchs.com)

## 5 Device Versions

Device type	Basic specifications	Optional specifications
LVL-M4	-XXXXXX-XXXXXX-XX	+XX

The X-marked letters of the type code are placeholders for versions of the device.

The following specifications reproduce an extract from the product structure and are used to assign.

### Basic specifications

Option	Housing, material
A	Single compartment, aluminum, coated
D	Dual compartment, L-shape, aluminum, coated
G	Single compartment, 316L, cast

Option	Electrical output
A	FEL61, 2-wire, 19 to 253 V AC with test button
B	FEL64DC, relay DPDT, 9 V DC to 20 V DC, contact 253 V/6 A with test button
E	FEL62, 3-wire PNP, 10 V DC to 55 V DC with test button
N	FEL64, relay DPDT, 19 V AC to 253 V AC/19 V DC to 55 V DC, contact 253 V/6 A with test button
M	FEL68, 2-wire NAMUR with test button

### Optional specifications

Option	Accessory mounted
BL <sup>1</sup>	Bluetooth module VU121
VB <sup>23</sup>	Bluetooth module VU121 for NAMUR output

<sup>1</sup> Only in connection with feature **Electrical output**, option **A, B, E, N**, feature **Housing, material**, option **A, D, P**

<sup>2</sup> Only in connection with feature **Electrical output**, option **M**, feature **Housing, material**, option **A, D, P**

<sup>3</sup> In connection with feature **Electrical output**, option **M**: The temperature classes change to T4...T1.

## 6 Safety Instructions: Installation

### Basic specification, feature Electrical Output, option A, B, E, N

If you equip the device with the Bluetooth® module, a battery is not required.

### Basic specification, feature Electrical Output, option M

If you equip the device with the Bluetooth® module, a battery is required.

Only remove or replace the battery in the non-explosion-hazardous area.

Only use one of the following battery types:

Manufacturer	Battery type
Saft	LS14500
Tadiran	SL-360/s
Varta	ER-AA / 7106
XENO Energy	ER14505 / XL-060F

Table 1

## 7 Temperature Tables

Type of protection	Permitted ambient temperature range
Ex ia Basic specification, feature <b>Electrical output</b> , option M	$-40 \leq T_{amb} \leq +65$
Ex db, Ex db eb, Ex ec, Ex ta/tb, Ex tb, Ex tc	$-40 \leq T_{amb} \leq +70$

Table 2

## 8 Connection Data

When using the Bluetooth® module: No changes to the connection values.

Observe the radio equipment rules.

# Your automation, our passion.

## Explosion Protection

- Intrinsic Safety Barriers
- Signal Conditioners
- FieldConnex® Fieldbus
- Remote I/O Systems
- Electrical Ex Equipment
- Purge and Pressurization
- Industrial HMI
- Mobile Computing and Communications
- HART Interface Solutions
- Surge Protection
- Wireless Solutions
- Level Measurement

## Industrial Sensors

- Proximity Sensors
- Photoelectric Sensors
- Industrial Vision
- Ultrasonic Sensors
- Rotary Encoders
- Positioning Systems
- Inclination and Acceleration Sensors
- Fieldbus Modules
- AS-Interface
- Identification Systems
- Displays and Signal Processing
- Connectivity

### Pepperl+Fuchs Quality

Download our latest policy here:

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