

# Assembly instructions for UEB 025 P/UEB 025 Pi EMCT Piezo Electronic Buzzer



- 1 Case
- 2 Faston terminal
- 3 Distance ring
- 4 Jam nut

## Table of contents

<b>1</b>	<b>Introduction</b> .....	<b>1</b>
1.1	Application .....	1
1.2	Remarks .....	2
1.3	Scope of delivery .....	2
<b>2</b>	<b>Safety instructions</b> .....	<b>2</b>
<b>3</b>	<b>Instruction</b> .....	<b>2</b>
3.1	Assembly .....	2
<b>4</b>	<b>Technical data</b> .....	<b>3</b>
	<b>Assembly declaration</b> .....	<b>4</b>

## 1 Introduction

### 1.1 Application

The UEB 025 P/ UEB 025 Pi EMCT Piezo Electronic Buzzer is used in industrial and automotive applications. Depending on the type selected the piezo buzzer gives off a continuous or intermittent sound when connected to the power source.

- Continuous or intermittent sound
- Faston terminals 2.8 x 0.5 mm
- Long life
- High reliability
- Small size
- Wide range operating voltage
- High sound level

## 1.2 Remarks

In this instruction manual noted remarks:



**Warning:** Warns of a danger which could bring injuries.



**Indication:** Has to be considered!



**Important:** Important information!

## 1.3 Scope of delivery

Included in delivery is:

- 1x UEB 025 P/ UEB 025 Pi EMCT Piezo Electronic Buzzer
- 1x Distance ring
- 1x Jam nut
- 1x Assembly instructions

## 2 Safety instructions



The remarks noted in this instruction manual are inevitable for a safe application of the piezo buzzer. You are advised not to use the piezo buzzer before reading the safety instructions. Disobeying the instructions can result in injury!



The piezo buzzer has to be placed out of children's reach.



As soon as the piezo buzzer is connected, it gives off either a continuous or an intermittent sound with an SPL of 65 - 95 dB(a) at a distance of 60 cm. (The detailed information for each type is listed in 4)

## 3 Instruction

### 3.1 Assembly

The piezo buzzer is mounted as follows:

- If necessary you can put the distance ring on the thread.
- If the piezo buzzer is installed in a waterproof environment you can put an O-Ring on the thread.
- Put the piezo buzzer with the thread ahead through the designated hole in the fastening plate.
- Fasten the piezo buzzer by screwing the jam nut from the exterior side on the thread.
- Insert two faston receptacles (e.g.: RSB 7990.001 F 2, 8-1) on the two faston terminals (2.8 x 0.5 mm).



Only use isolated faston receptacles with the types with higher voltage (36 - 100 V, 110 - 230 V).

## 4 Technical data

Operating temperature	-25°C to +65°C
Housing	NORYL (UL)
Weight	4.5 g
Permissible overvoltage	50 % of the rated voltage
Permissible humidity	60 %
Frequency	3250 Hz
Faston terminals	2.8 x 0.5 mm

Type	Voltage	Current consumption	Sound level at 60 cm	Tone*
<b>UEB 025 P</b>	1.5 - 24 V DC	1.6 - 16 mA	65 - 95 dB	1
	12 - 36 V AC/DC	1 - 10 mA	76 - 90 dB	1
	36 - 120 V AC/DC	2 - 10 mA	80 - 86 dB	1
	110 - 230 V AC/DC	2 - 4 mA	80 - 86 dB	1
<b>UEB 025 Pi</b>	5 - 15 V DC	1.5 - 5 mA	65 - 92 dB	2
	9 - 28 V DC	2 - 12 mA	80 - 92 dB	2

\*(1 = continuous; 2 = intermittent)

**CE** Sign of conformity, approves compliance of the valid EMC directive (2014/30/EU). The device is in compliance with the following standards: EN ISO 12100, EN 60204-1, EN 61000-6-2, EN 61000-6-4, low voltage directive (2014/35/EU).

**Assembly declaration**  
**(Directive 2006/42/EG, Annex II B)**

The producer: EMCT Swiss-ConnTec SA, Grubenstrasse 7a, CH-3322 Schönbühl  
herewith declares, that the following component:

**EMCT Piezo Electronic Buzzer / UEB 025 P / UEB 025 Pi**

is in conformity with the essential requirements of security and health of the machinery  
directive 2006/42/EG Annex I.

The special technical documents as noted in annex VII section B have been created.

The component is in conformity with the following additional directives:

**Low voltage directive 2014/35/EU**

**EMC directive 2014/30/EU**

The following harmonised standards were applied:

**EN ISO 12100; EN 60204-1; EN 61000-6-2; EN 61000-6-4**

Authorized representative for the composition of the technical documents:

**Christoph Müller**  
**Grubenstrasse 7a**  
**CH-3322 Schönbühl**

According to the needs of a national agency the special technical documents will be  
transmitted as an electronic file.

**Commissioning of the component is forbidden until the device is assembled as  
indicated in the assembly instructions into a complete machine and this machine is in  
conformity with the machinery directive and there is an EC declaration of conformity  
according to annex II A available.**

Schönbühl, 21.01.2015

EMCT Swiss-ConnTec SA



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