

# Assembly instructions for EM-H-SPL EMCT Piezo Electronic Buzzer



- 1 Housing
- 2 Solder connections

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## 1 Introduction

### 1.1 Application

The EM-H-SPL EMCT Piezo Electronic Buzzer is used in industrial and automotive applications. The piezo buzzer gives off a continuous sound when connected to the power source.

- Continuous sound
- Solder connections 0.8 mm
- Compatible with all forms of logic
- Long life
- High reliability
- High sound level
- Easy mounting

### 1.2 Remarks

In this assembly instruction 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 EM-H-SPL EMCT Piezo Electronic Buzzer
- 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 a continuous sound with an SPL of 95 dB(a) respectively 102 dB(a) at a distance of 60 cm.

## 3 Instruction

### 3.1 Assembly


The EM-H-SPL is suitable for direct mounting on the PC-board and is mounted as follows:

- Put the piezo buzzer (eventually with the mounting clamp) with the solder connections ahead from the exterior side on the PC-board.
- Fasten the piezo buzzer by soldering the solder connections on the designated spot on the PC-board.

 The solder connections on the back of the PC-board may not be touched after the piezo buzzer is mounted on the PC-board.

## 4 Technical data

Operating temperature	-25°C to +75°C
Housing	PPO Noryl GTX830
Weight	8 g
Voltage	24 V DC +10%
Permissible humidity	60 %
Frequency	3500 Hz
Solder connections	2 x 0.8 mm calibre (length: 15.00 mm)
Distance between contacts	15.24 mm
Current consumption	6 mA
Sound level at 60 cm	95 dB(a) at 12 V DC, 102 dB(a) at 24 V DC
Minimale distance to sound opening	3 mm

 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 piezo buzzer:

**EMCT Piezo Electronic Buzzer / EM-H-SPL**

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 piezo buzzer 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 piezo buzzer 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



Christoph Müller  
Managing Director



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