eao

Your Expert Partner for **Human Machine Interfaces**

Series 61

Buzzer

www.eao.com



Series 61

Buzzer

Both visual and audible signals provide direct feedback from equipment and machinery to interaction or status.

EAO offers HMI products which fully meet the needs of users in relation to the operating conditions.

As a pioneer in the field of illuminated pushbuttons and an expert in Human Machine Interfaces (HMIs), EAO continues to set new standards in machine operability. The Series 61 buzzer is capable of meeting precisely the requirements demanded by industrial users. In addition to signals which use visual effects, feedback or warnings also need to be given in audible form if the operating systems are not always in the field of view of the operator.

The modern flush-mounting design matches the front appearance of EAO's Series 51, 61, 71 and 84. This enables a variety of flat pushbuttons to be combined in the same control panel while optimising the aesthetic appearance.

The innovative buzzer is especially suitable for machinery control panels, and is guaranteed for safe, reliable operation at temperatures of –25 °C to +55 °C, even when exposed to spraying water.

Typical applications
- Machinery and equipment
- Process visualisation
- Vehicle cockpits

Materials
The materials used are compliant with the strict EAO standards regarding quality, functional safety, service life and design.

Mechanical characteristics
- 2.8 x 0.5 mm plug-in connection
- Tightening torque for fixing nut max. 50 Ncm

Electrical characteristics
- Frequency (sound) approx. 2.0 kHz
- Interval frequency 2 Hz
  (for continuous tone use reverse polarity)
- Sound pressure level 88 dB (A) ±8 dB at 0.1 m distance (IP40)
- Sound pressure level 82 dB (A) ±8 dB at 0.1 m distance (IP65)
- Voltage/current consumption
  10 VDC … 26 VDC, ≤ 20 mA

Ambient conditions
Temperature
- Storage temperature –40 °C to +85 °C
- Operating temperature –25 °C to +55 °C

Front protection
IP40 or IP65

Advantages.

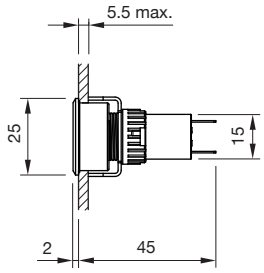
- Flush, modern design
- IP40 or IP65 front protection
- Easy to mount
- Continuous or intermittent tone
- Reliable and proven technology

Colour of front
- Plastic: Black RAL 9017
- Markings: White pad printed

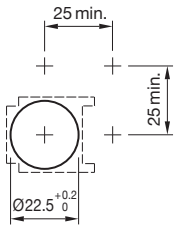
Standards and directives
Declaration of Conformity
- CE
- RoHS

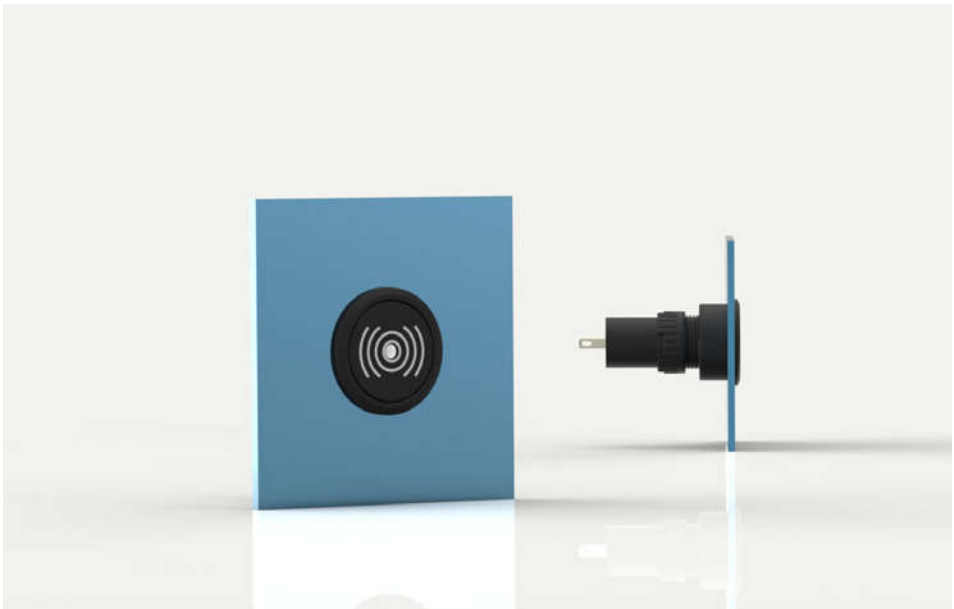
Mounting
The buzzer is mounted from the front of the panel with the aid of an anti-rotation device and the fixing nut. It is connected by means of two plug-in connectors, which can also be soldered. Continuous or intermittent tone can be controlled via the polarity of the connection.

Dimensions



Mounting cut-out





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EAO reserves the right to change specifications without further notice.

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