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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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PSD-S AE BM2-1 85DB

**Buzzer element, continuous/pulse tone, 24 V AC/DC,
max. 85 dB(A)**

Data sheet
7946_en_02

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1 Description

This audible signal element is designed as a component of a modular signal tower.

According to your requirements, a signal tower can be combined as desired, from a maximum of five signal elements. Set up to a maximum of five optical signal elements or up to four optical and one audible signal element.

Only use an acoustic signal element as the top element.

A bayonet locking system establishes the mechanical and electrical connection between the elements.

Connection elements with spring-cage or screw connection can be used for electrical connection of the signal tower.

Mounting elements for base or tube mounting can be used to mount the signal tower.

Features

- Buzzer element for 24 V AC/DC
- Continuous/pulse tone
- Maximum volume of 85 dB(A)
- Degree of protection: IP65, when mounted
- No opening for sound to escape



Make sure you always use the latest documentation.
It can be downloaded from the product at phoenixcontact.net/products.

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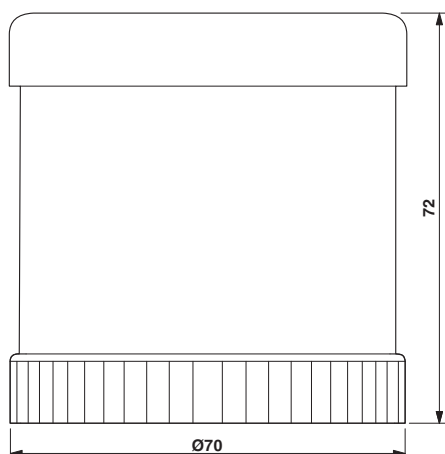
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3 Ordering data

Description	Type	Order No.	Pcs./Pkt.
Buzzer element, continuous/pulse tone, 24 V AC/DC, max. 85 dB(A), black	PSD-S AE BM2-1 85DB	2700136	1

4 Technical data

Dimensions (in mm)



Diameter	70 mm
Height	72 mm

General data

Material	Polycarbonate PC
Color	black
Weight	73 g
Ambient temperature (operation)	-30 °C ... 50 °C
Degree of protection	IP65, when installed
Mounting position	any

Electrical data

Input voltage	12 V AC/DC ... 30 V AC/DC
Inrush current	max. 200 mA
Current consumption	25 mA
Type of acoustic signal	Continuous/pulse tone
Signal frequency	approx. 1 Hz
Tone frequency	approx. 1.75 kHz
Volume	85 dB(A)
Service life, electrical	min. 5,000 h
Operating time	100 %

Approvals/conformities

Conformance with EMC Directive 2004/108/EC (valid until 19.04.2016) / 2014/30/EU (valid from 20.04.2016)

For the latest approvals, please visit phoenixcontact.net/products.

5 Setting the tone type

Disconnect the power to the signal tower before changing the tone!

A switch is positioned on the printed-circuit board inside the housing. Adjust the type of tone via this switch.

Depending on the production date, either a wire frame switch or a DIP switch is available.

Switch position			Tone type
Wire frame switch	DIP switch		
Open	Left	1	Pulse tone
Closed	Right	ON	Continuous tone

6 Example of a signal tower

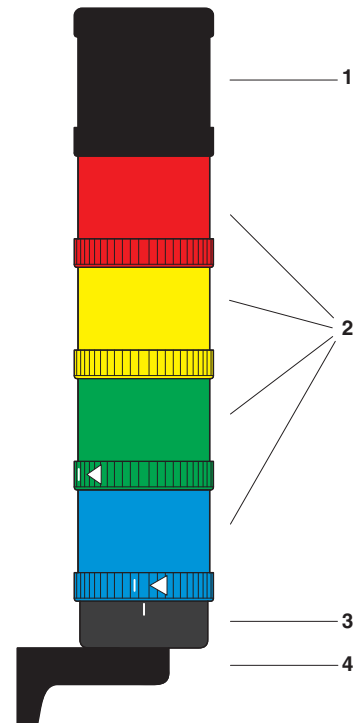


Figure 1 Example of a signal tower

Key:

- 1 Audible signal element
- 2 Optical signal element
- 3 Connection element
- 4 Assembly element

7 Assembly notes for a signal tower

- Only use a maximum of five elements within a signal tower.
- Use only one audible element in a signal tower and position this element on top.
- When closing the bayonet locking system, observe the markings (see "Assembling the individual elements").

8 Assembling the individual elements

Audible and optical signal elements are assembled in the same way. The illustration shows the assembly of two optical elements.

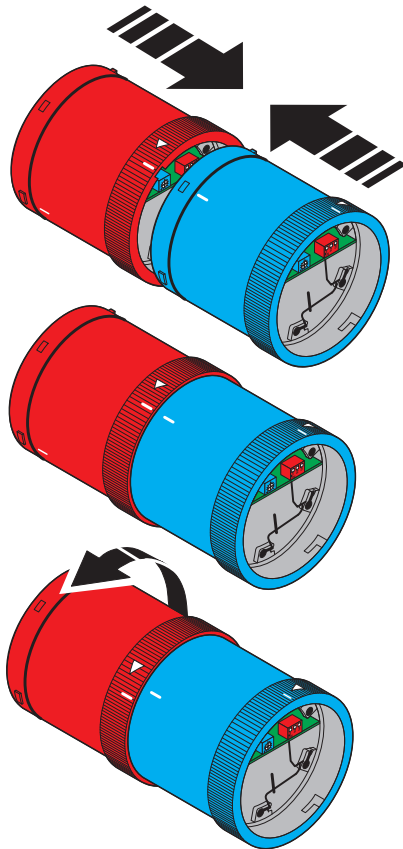


Figure 2 Assembling the individual elements

- Select the elements for your application.
- Connect the elements to be assembled so that the markings are aligned.
- Turn the upper element in the direction of the arrow.

9 Example for signal tower dimensions

The following figure shows the dimensions of a typical signal tower.

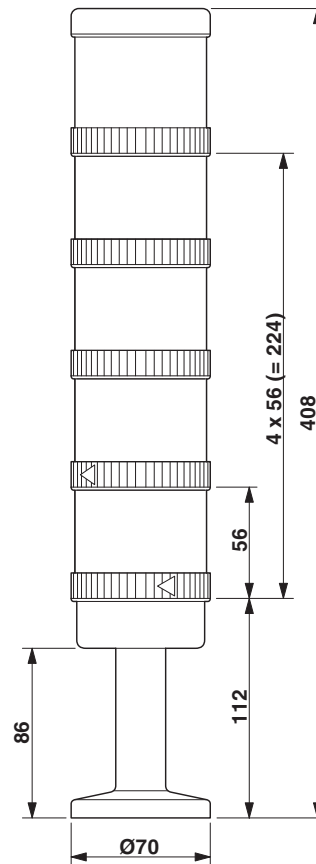


Figure 3 Dimensions of a signal tower (example)