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.

2 Table of contents

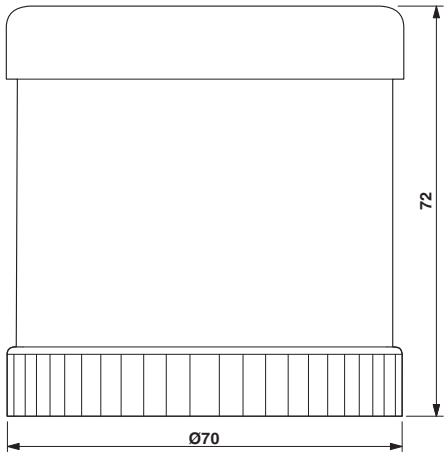
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3 Ordering data

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

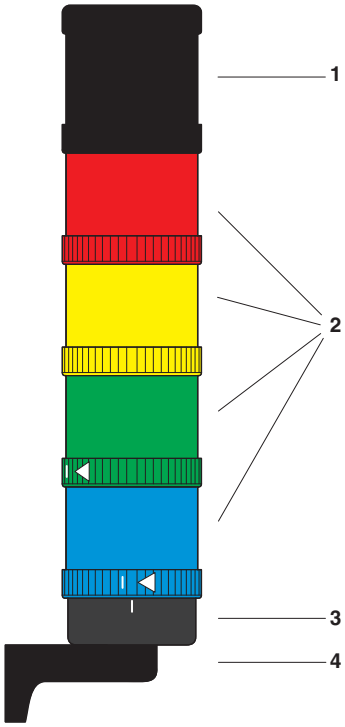


Figure 1 Example of a signal tower

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.

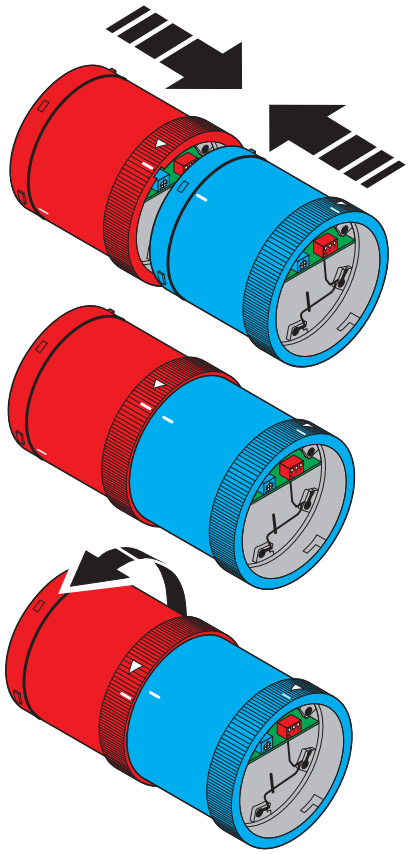


Figure 2 Assembling the individual elements

- 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.

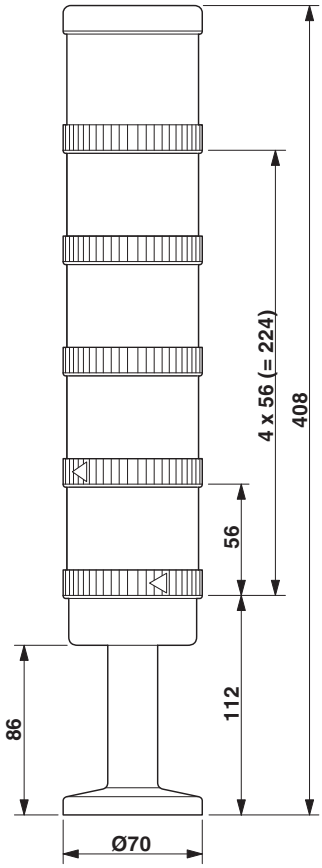


Figure 3 Dimensions of a signal tower (example)