

PSD-S 50 OE LED ...

LED permanent light element, 24 V DC

Data sheet
109286_en_01

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1 Description

This optical signal element is designed to be part of a modular signal tower.

According to your requirements, a signal tower can be combined as desired, from a maximum of five signal elements.

Only use an audible signal element as the top element.

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

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

Various accessories are available to assemble the signal tower.

Features

- LED permanent light element for 24 V DC
- Colors: Red, green, orange, blue, and clear
- Degree of protection: IP65, when installed or with cover



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



This data sheet is valid for all products listed on the following page:

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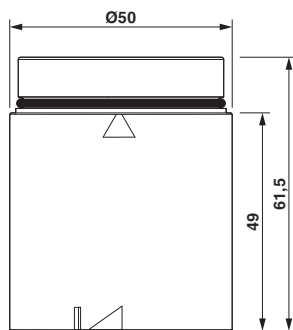
3 Ordering data

Description	Type	Order No.	Pcs./Pkt.
Permanent light element, 16 V DC ... 26 V DC, red, LED	PSD-S 50 OE LED RD	1018261	1
Permanent light element, 16 V DC ... 26 V DC, green, LED	PSD-S 50 OE LED GN	1018264	1
Permanent light element, 16 V DC ... 26 V DC, orange, LED	PSD-S 50 OE LED AM	1018262	1
Permanent light element, 16 V DC ... 26 V DC, clear, LED	PSD-S 50 OE LED CL	1017888	1
Permanent light element, 16 V DC ... 26 V AC, blue, LED	PSD-S 50 OE LED BL	1018737	1

Accessories	Type	Order No.	Pcs./Pkt.
Base for horizontal and third-party tube assembly	PSD-S 50 CE	1018740	1
Base with integrated M12 male (5 pins)	PSD-S 50 CE-M12-5P	1018853	1
Base for NPT 1/2 conduit assembly	PSD-S 50 CE A-NPT 1/2	1018850	1
Base for vertical assembly	PSD-S 50 CE BR-SM/HCR	1018742	1
Tube base on 100 mm plastic tube with integrated foot	PSD-S 50 CE BT 100	1018760	1
Tube base on 250 mm aluminum tube with plastic foot	PSD-S 50 CE BT 250-M	1018801	1
Tube base on 400 mm aluminum tube with plastic foot	PSD-S 50 CE BT 400-M	1018845	1

4 Technical data

Dimensions (in mm)



Diameter	50 mm
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General data

Material	Polycarbonate PC
Calotte color: PSD-S 50 OE LED RD	red
Calotte color: PSD-S 50 OE LED GN	green
Calotte color: PSD-S 50 OE LED AM	orange
Calotte color: PSD-S 50 OE LED CL	clear
Calotte color: PSD-S 50 OE LED BL	blue
Weight	max. 47.6 g
Ambient temperature (operation)	-30 °C ... 60 °C

General data

Degree of protection	IP65, when installed or with cover
Mounting position	any
Connection	Rubber seal pre-installed for each element
Base	B15d (bayonet)

Electrical data

Input voltage	24 V DC
Input voltage	16 V DC ... 26 V DC
Inrush current	max. 500 mA
Current consumption	max. 35 mA
Optical signal type	Permanent light
Source of light type	LED
Service life, electrical	max. 100,000 h
Operating time	100 %

Approvals/conformities

Conformance with EMC Directive 2014/30/EU

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

5 Example of a signal tower

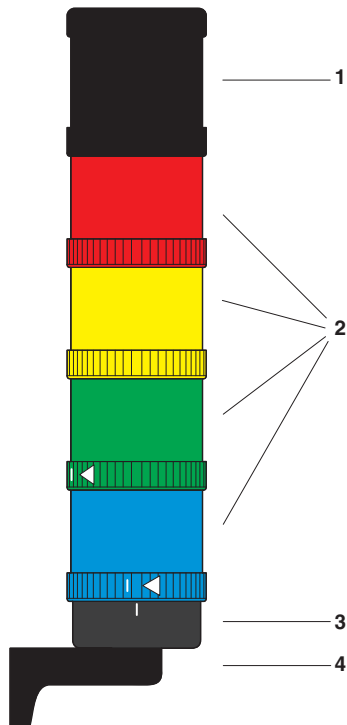


Figure 1 Example of a signal tower

Key:

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

6 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").

7 Mounting the individual elements

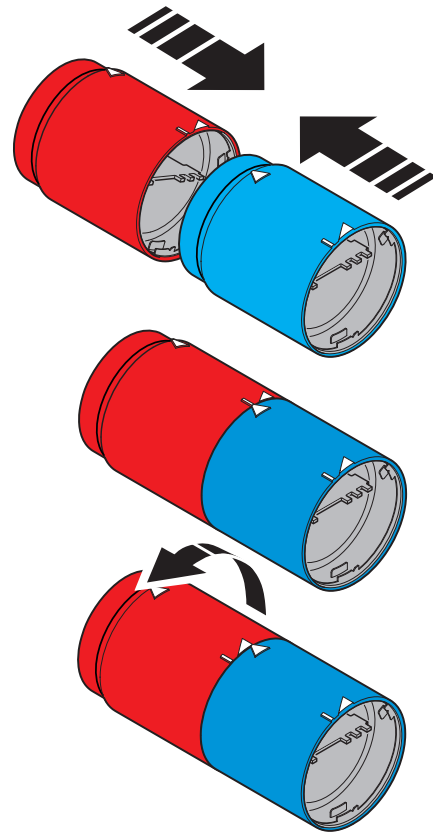


Figure 2 Mounting the individual elements

- 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.

8 Example for signal tower dimensions

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

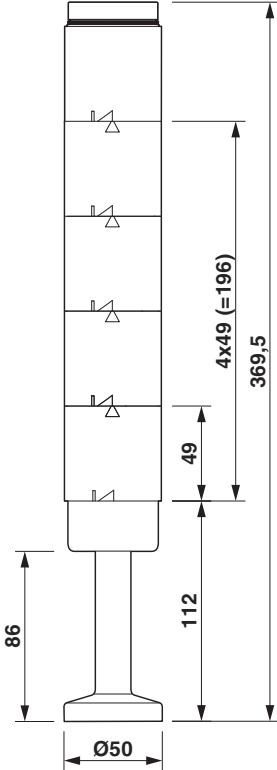


Figure 3 Dimensions of a signal tower (example)