

PSD-S 50 OE LED ...

LED permanent light element, 24 V DC

Data sheet
109286_en_02

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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.

Set up to a maximum of five optical signal elements or up to four optical and one audible signal element.

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

- High light and color intensity
- LED service life 100000 h
- Low power consumption
- Smooth exterior design
- Degree of protection IP65

Observe this note



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

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3 Ordering data

Description	Type	Item 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

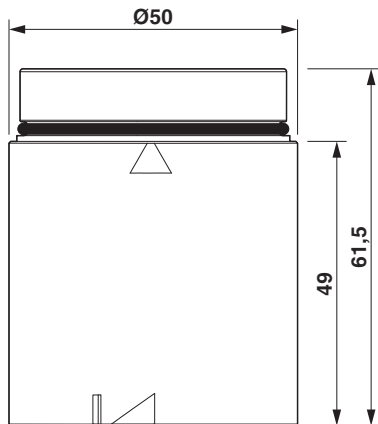
Additional ordering data

For additional ordering data (accessories), go to:

www.phoenixcontact.com/product/1018261
www.phoenixcontact.com/product/1018264
www.phoenixcontact.com/product/1018262
www.phoenixcontact.com/product/1017888
www.phoenixcontact.com/product/1018737

4 Technical data

Dimensions (in mm)



Diameter	50 mm
Height	61.5 mm

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	47.6 g
Ambient temperature (operation)	-30 °C ... 60 °C
Degree of protection	IP65 (when installed or with end cover)

General data

Mounting position	any
Mounting type	Plug-in mounting
Assembly note	Rubber seal pre-installed for each element
Base	B15d (bayonet)

Electrical data

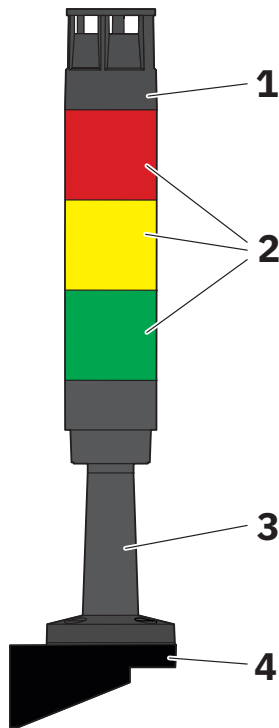
Input voltage	24 V DC
Input voltage range	16 V DC ... 26 V DC
Inrush current	max. 500 mA
Current consumption: PSD-S 50 OE LED RD	max. 45 mA
Current consumption: PSD-S 50 OE LED GN	max. 35 mA
Current consumption: PSD-S 50 OE LED AM	max. 35 mA
Current consumption: PSD-S 50 OE LED CL	max. 35 mA
Current consumption: PSD-S 50 OE LED BL	max. 35 mA
Power consumption: PSD-S 50 OE LED RD	1.08 W
Power consumption: PSD-S 50 OE LED GN	0.84 W
Power consumption: PSD-S 50 OE LED AM	0.84 W
Power consumption: PSD-S 50 OE LED CL	0.84 W
Power consumption: PSD-S 50 OE LED BL	0.84 W
Optical signal type	Permanent light
Source of light type	LED
Service life electrical	max. 100,000 h

Approvals and manufacturer's declarations

The latest documents can be found at:	www.phoenixcontact.com/product/1018261 www.phoenixcontact.com/product/1018264 www.phoenixcontact.com/product/1018262 www.phoenixcontact.com/product/1017888 www.phoenixcontact.com/product/1018737
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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



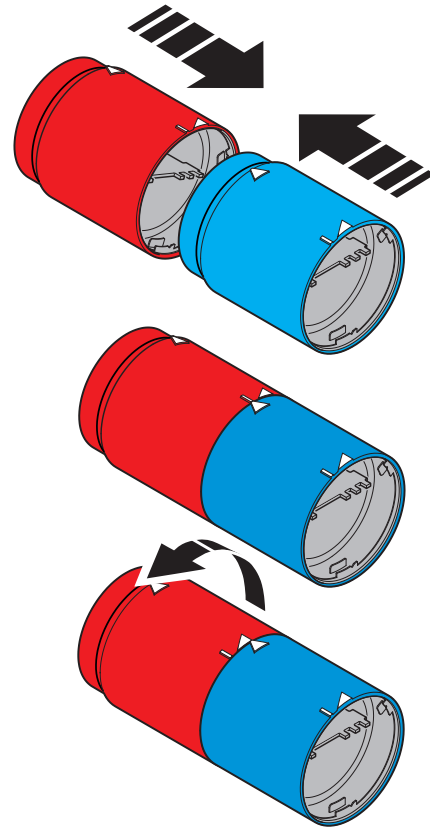
A selection guide for the elements of a signal tower can be found in the application note "PSD-S 50 SELECTION GUIDE". The application note can be downloaded via the item (www.phoenixcontact.com/products).

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)

