



Model Number

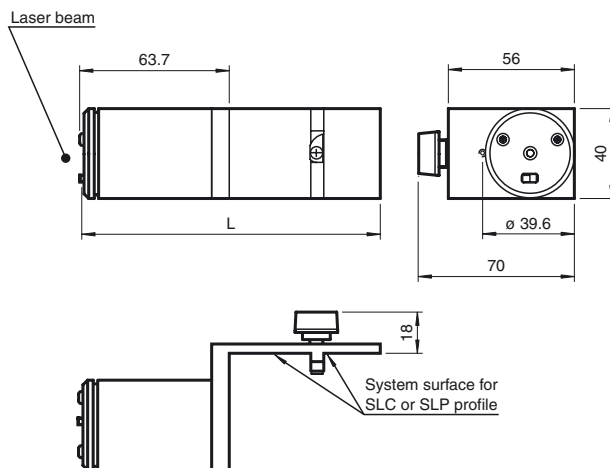
BA SLP

laser alignment aid for safety light grids series SLP

Features

- Simplifies the alignment of safety light grids and safety light curtains with long ranges or multi-sided safety lay-outs

Dimensions



Technical data

General specifications

Light source	laser diode
Light type	red
Laser nominal ratings	
Note	LASER LIGHT , DO NOT STARE INTO BEAM
Laser class	2
Wave length	650 nm
Beam divergence	< 1.5 mrad
Maximum optical power output	< 1 mW

Electrical specifications

Operating voltage	U _B	3 V DC battery: 2 AAA-size batteries (not included with delivery)
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Ambient conditions

Operating temperature	0 ... 40 °C (32 ... 104 °F)
Storage temperature	-40 ... 85 °C (-40 ... 185 °F)

Mechanical specifications

Housing length L	131 mm
Degree of protection	IP20
Material	Holder: aluminum
Housing	PA 6
Mass	185 g

Compliance with standards and directives

Standard conformity	
Laser class	IEC 60825-1:2007

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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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Note**Applications:**

Alignment of safety light barriers and grids with an extensive range, safety light curtains and installations with reflecting mirrors

Use:

The alignment aid is fitted to the housing of the part of the light barrier being aligned, preferably on the emitter or receiver axis. It is then utilised to align the light barrier.

The securing knob must first be loosened completely on the SLP and SLC profile versions and then screwed firmly again into a profile groove after mounting. The laser module aligns itself in the groove during tightening.

The threaded rod on the version for the SLA25 must be screwed back sufficiently and then laid on the SLA25 housing so that the tubular fixture comes to rest around the edge of the lens. The threaded rod should then be hand tightened.

The laser alignment aid can be secured in two ways on the SLA28, depending on attachment conditions, as the fixture angle1 can be swivelled relative to the fixing bracket. The threaded rod is also screwed back sufficiently here. The fixture angle is then centred with its inner rib on the groove on the upper surface, making contact with the viewing glass at the front. Cases where the housing is installed with one side in contact with a wall or something similar require that the bracket be swivelled to an angle of 90° relative to the fixture angle on the side facing the wall. The threaded rod must then be hand tightened.

The light barrier housing should be twisted or offset after activation so that the laser light spot strikes the housing opposite at the correct position. Align it to strike the centre of the mirror if mirrors are employed. In the case of profiles, adjustment should be realised relative to the upper and lower ends of the profile in question.

A reflective foil can be used to facilitate work if light conditions are poor or the light spot can only be seen with difficulty. A position can be marked on the foil to aid light spot alignment.

The laser alignment aid should not be left unattended during operation so as to avoid potential hazards and conserve battery power.

The batteries can be replaced after the front screws are removed. Attention should be paid to the pole configuration when inserting new batteries (see pole configuration on cover). The switch should be in the "0" position when fitting the front cover.

Laser notice laser class 2

- The irradiation can lead to irritation especially in a dark environment. Do not point at people!
- Caution: Do not look into the beam!
- Maintenance and repairs should only be carried out by authorized service personnel!
- Attach the device so that the warning is clearly visible and readable.
- Caution – Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.