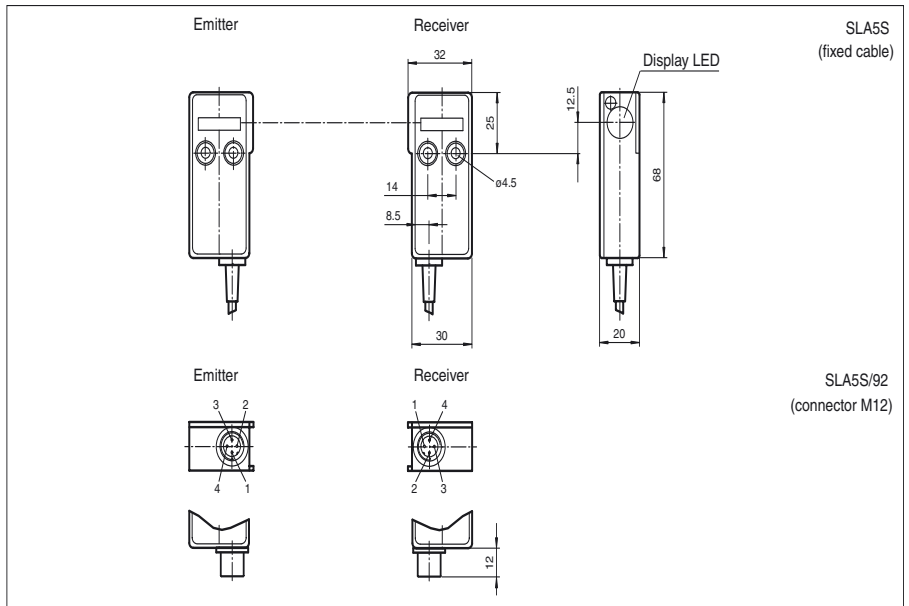




**Dimensions**



**Model Number**

**SLA5S**

with 2 m fixed cable

**Features**

- Self-monitoring (type 4 according to IEC/EN 61496-1)
- Optical-system lateral
- Red transmission light
- Clearly visible LED functional display and pre-fault indicator on the receiver
- Sturdy housing
- Operation on control units of SB4 (SafeBox)

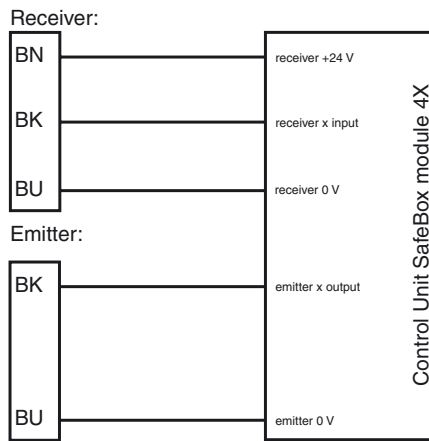
**Accessories**

**SLA-1-M**

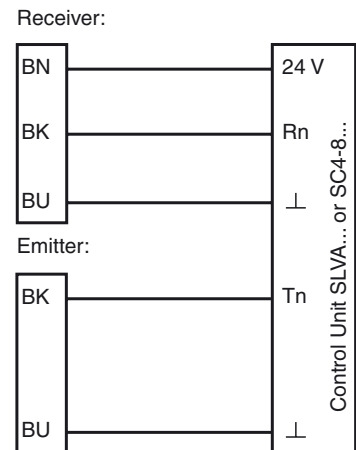
Deviation mirror

**Electrical connection**

Design with fixed cable



Design with fixed cable



Release date: 2017-12-05 13:48 Date of issue: 2017-12-05 109712\_eng.xml

Additional accessories can be found in the Internet.

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

Pepperl+Fuchs Group  
www.pepperl-fuchs.com

USA: +1 330 486 0001  
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 4411  
fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091  
fa-info@sg.pepperl-fuchs.com

**Technical data**

**System components**

Emitter	SLA5S-T
Receiver	SLA5S-R

**General specifications**

Effective detection range	0 ... 5 m
Number of protective field beams	1
Light source	LED
Light type	modulated visible red light
Tests	IEC/EN 61496
Safety type according to IEC/EN 61496	4
Marking	CE
Target size	static: 10 mm dynamic: 30 mm (at v = 1.6 m/s of the obstacle)
Angle of divergence	< 5 °

**Functional safety related parameters**

Safety Integrity Level (SIL)	SIL 3
Performance level (PL)	PL e
Category	Cat. 4
Mission Time (T <sub>M</sub> )	20 a
PFH <sub>d</sub>	4.4 E-10
Type	4

**Indicators/operating means**

Function indicator	LED yellow/green in receiver: off: Interruption yellow: transmission green: reception with sufficient stability control
Pre-fault indicator	LED functional display yellow

**Electrical specifications**

Operating voltage	U <sub>B</sub>	Power supply via control unit
-------------------	----------------	-------------------------------

**Conformity**

Functional safety	ISO 13849-1
Product standard	EN 61496-1 ; IEC 61496-2

**Ambient conditions**

Ambient temperature	-20 ... 60 °C (-4 ... 140 °F)
Storage temperature	-20 ... 70 °C (-4 ... 158 °F)
Relative humidity	max. 95 %, not condensing

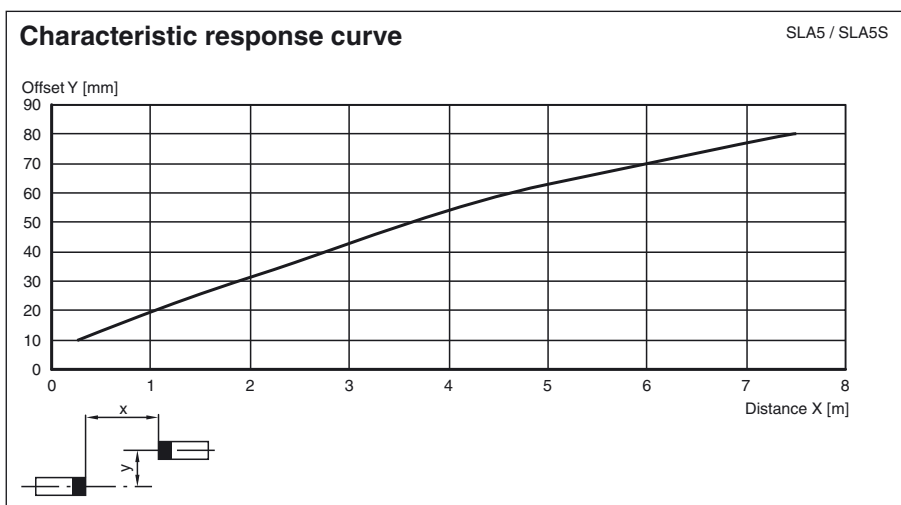
**Mechanical specifications**

Degree of protection	IP65
Connection	2 m, 0.25 mm <sup>2</sup> fixed cable
Material	
Housing	Plastic, PC, RAL 1021 (yellow)
Optical face	plastic lens
Mass	Per 95 g

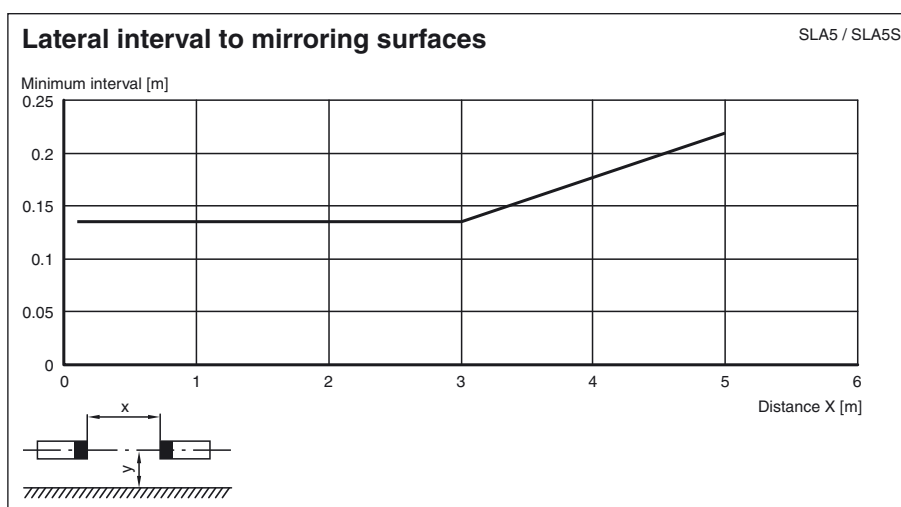
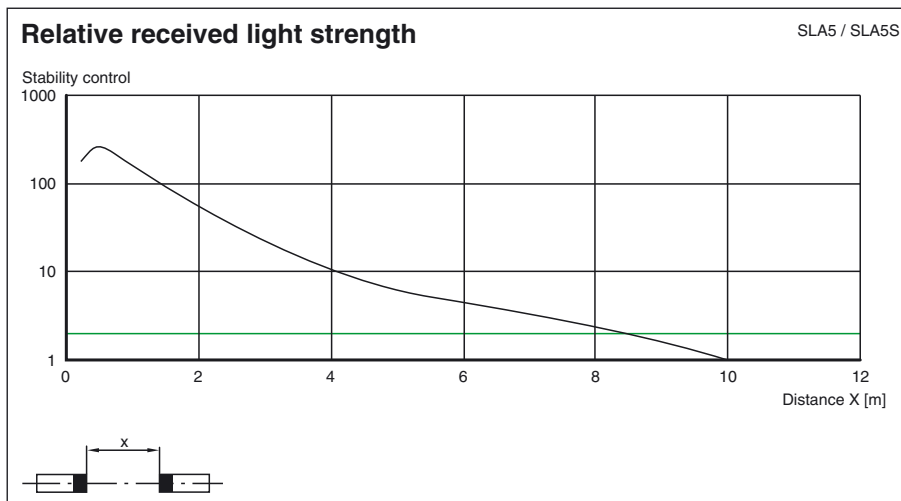
**Approvals and certificates**

CE conformity	CE
CCC approval	CCC approval / marking not required for products rated ≤36 V
Approvals	TÜV

**Curves/Diagrams**



Release date: 2017-12-05 13:48 Date of issue: 2017-12-05 109712\_eng.xml



## System accessories

### Control units

SB4 (SafeBox)

### Cable sockets (only for option /92)

straight: V1-G-2M-PVC  
 V1-G-5M-PVC  
 V1-G-10M-PVC

angled: V1-W-2M-PVC  
 V1-W-5M-PVC  
 V1-W-10M-PVC

### Further accessories

Redirection mirror  
 SLA-1-M

Release date: 2017-12-05 13:48 Date of issue: 2017-12-05 109712\_eng.xml