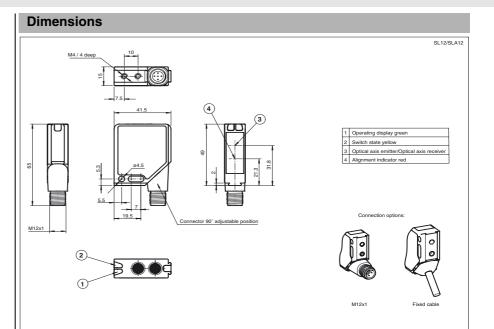
Safety thru-beam sensor



SLA12/124

Model Number

SLA12/124

CE

with metal connector M12; 5-pin, 90° convertible

Features

- ٠ Sensing range up to 10 m
- Self-monitoring (type 4 according to ٠ IEC/EN 61496-1)
- ٠ Red transmission light
- Integrated alignment aid •
- Clearly visible LED functional display ٠ and pre-fault indicator on the receiver
- Sturdy housing .
- Waterproof, degree of protection IP67
- Operation on control units of SB4 ٠ (SafeBox)

Accessories

sheet 1.5 mm ... 3 mm

OMH-MLV12-HWG

Mounting bracket for series MLV12 sensors

OMH-MLV12-HWK

Mounting bracket for series MLV12 sensors

OMH-K01

dove tail mounting clamp

OMH-K02

www.pepperl-fuchs.com

dove tail mounting clamp

Additional accessories can be found in the Internet.

Refer to "General Notes Relating to Pepperl+Fuchs Product Information" USA: +1 330 486 0001 Pepperl+Fuchs Group

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

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



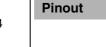


SLA-1-M

Deviation mirror

OMH-06

Mounting aid for round steel ø 12 mm or





ΒN 2

ΒU

ΒU

ΒK

Receiver:

3

4

5

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3

4

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Emitter:

Electrical connection

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emitter >

emitter x +U

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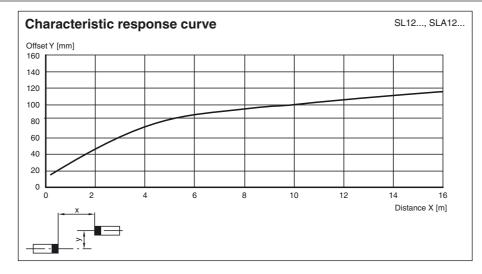
SafeBox module -4C(P) and .

Control Unit

SLA12/124

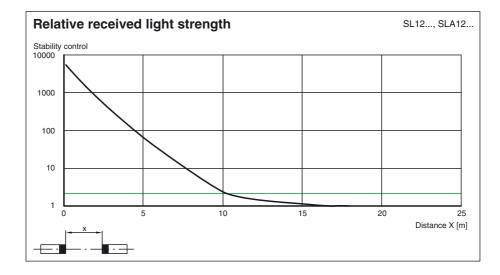
Technical data	
System components	
Emitter	SLA12-T/124
Receiver	SLA12-R/124
General specifications	
Effective detection range	0.2 10 m
Threshold detection range	16 m
Light source	LED, 660 nm
Light type	modulated visible red light
Target size	static: 10 mm dynamic: 30 mm (at $v = 1.6$ m/s of the obstacle)
Alignment aid	LED red
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 _M)	20 a
PFH _d	4.4 E-10
Туре	4
Indicators/operating means	
Operation indicator	LED green
Function indicator	LED yellow:
	 LED lit constantly: signal > 2 x switching point (function reserve) LED flashes: signal between 1 x switching point and 2 x switching point LED off: signal < switching point
Electrical specifications	
Operating voltage U _B	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	IP67 according to EN 60529
Connection	5-pin M12 x 1 connector with metal thread, 90° rotatable
Material	
Housing	Frame: nickel plated, die cast zinc,
-	Laterals: glass-fiber reinforced plastic PC RAL 1021 (yellow)
Optical face	Plastic pane
Mass	per device 60 g
Approvals and certificates	
CE conformity	CE
CCC approval	CCC approval / marking not required for products rated ≤36 V
Approvals	TÜV

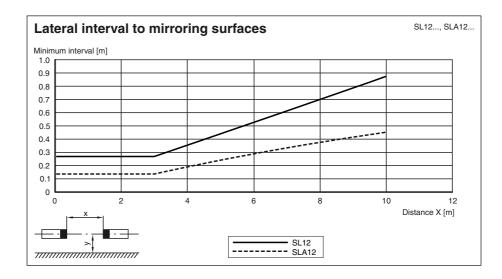
Curves/Diagrams



Release date: 2017-12-05 14:08 Date of issue: 2017-12-05 117306_eng.xml

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Additional information

For much easier alignment even for lond distance applications, an additional red LED is located in the receivers optics:

- LED constantly illuminated: signal strength < switching level
- · LED flashes: signal strength is between 1-fold switching level and 2-fold switching level
- LED off:
 - signal strength \geq 2-fold switching level (function reserve)

System accessories

Control units

SC4-2 SB4 (SafeBox)

Cable sockets (not for option /115)

straight:	V15-G-2M-PVC V15-G-5M-PVC
	V15-G-10M-PVC
angled:	V15-W-2M-PVC
-	V15-W-5M-PVC
	V15-W-10M-PVC

Mounting aids



OMH-06 OMH-MLV12-HWG OMH-MLV12-HWK OMH-K01 OMH-K02

Further accessories

Redirection mirror SLA-1-M

4

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