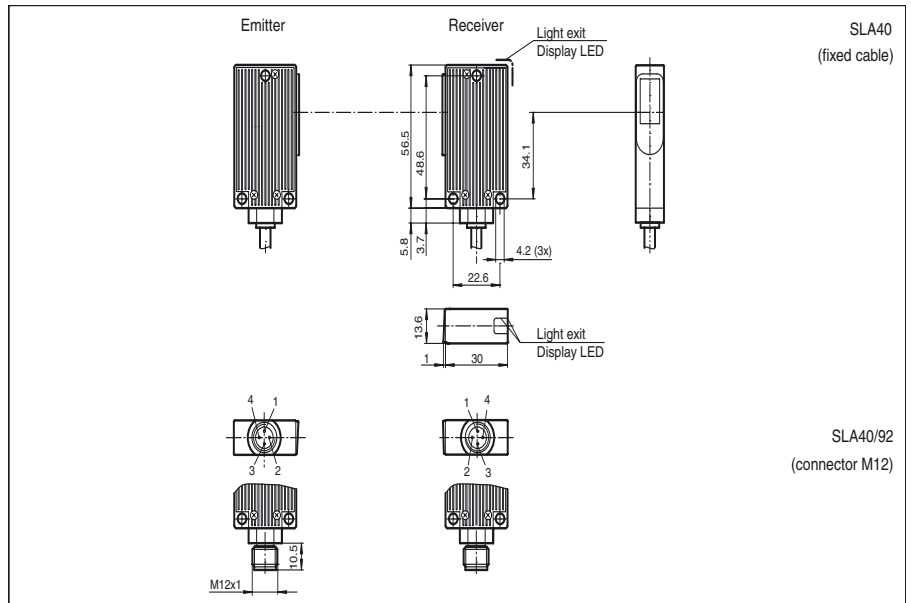




Dimensions



Model Number

SLA40/33 K=5m

Safety thru-beam sensor
with fixed cable

Features

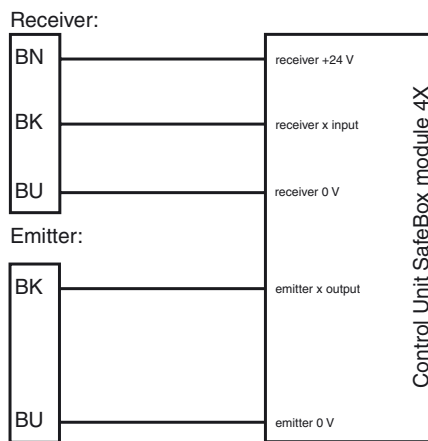
- Detection range up to 4 m
- Self-monitoring (type 4 according to IEC/EN 61496-1)
- Red transmission light
- Clearly visible LED functional display and pre-fault indicator on the receiver
- Metal housing
- Connection via M12 connector or fixed cable
- Operation on control units of SB4 (SafeBox)
- Protection type IP67 optional

Accessories

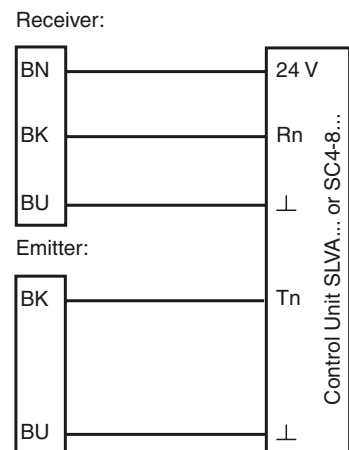
- OMH-40**
Mounting aid
- SLA-1-M**
Deviation mirror

Electrical connection

Design with fixed cable



Design with fixed cable



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Additional accessories can be found in the Internet.

Subject to modifications without notice

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Technical data

General specifications

| | |
|---------------------------------------|---|
| Effective detection range | 0 ... 4 m |
| Light source | LED |
| Light type | red, modulated light |
| Approvals | TÜV |
| Tests | IEC/EN 61496 |
| Safety type according to IEC/EN 61496 | 4 |
| Marking | CE |
| Obstacle 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 _M) | 20 a |
| PFH _d | 4.4 E-10 |

Indicators/operating means

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

Electrical specifications

| | | |
|-------------------|----------------|-------------------------------|
| Operating voltage | U _B | Power supply via control unit |
|-------------------|----------------|-------------------------------|

Ambient conditions

| | |
|---------------------|-------------------------------|
| Ambient temperature | -20 ... 60 °C (253 ... 333 K) |
| Storage temperature | -20 ... 70 °C (253 ... 343 K) |
| Relative humidity | max. 95 %, not condensing |

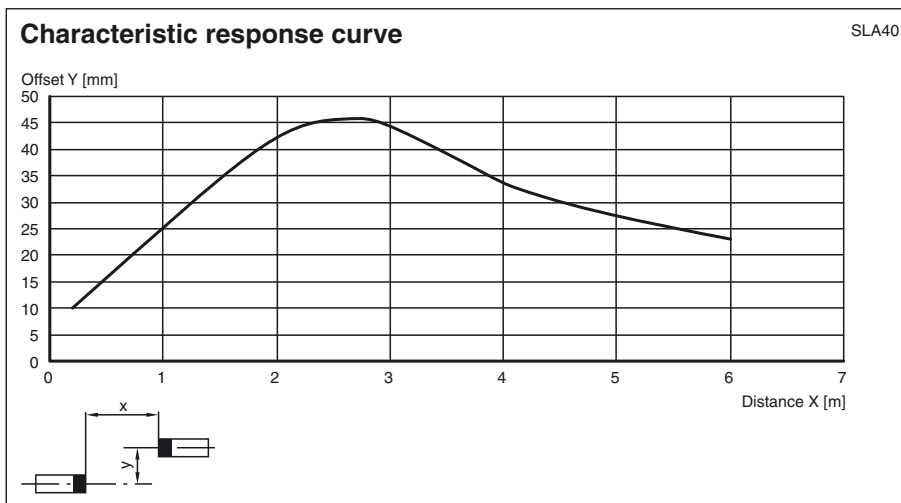
Mechanical specifications

| | |
|-------------------|--|
| Protection degree | IP65 |
| Connection | fixed cable, 5 m; 0.25 mm ² |
| Material | |
| Housing | aluminium pressure moulding, RLA 1021 (yellow) painted |
| Optical face | glass pane |
| Mass | Per 100 g |

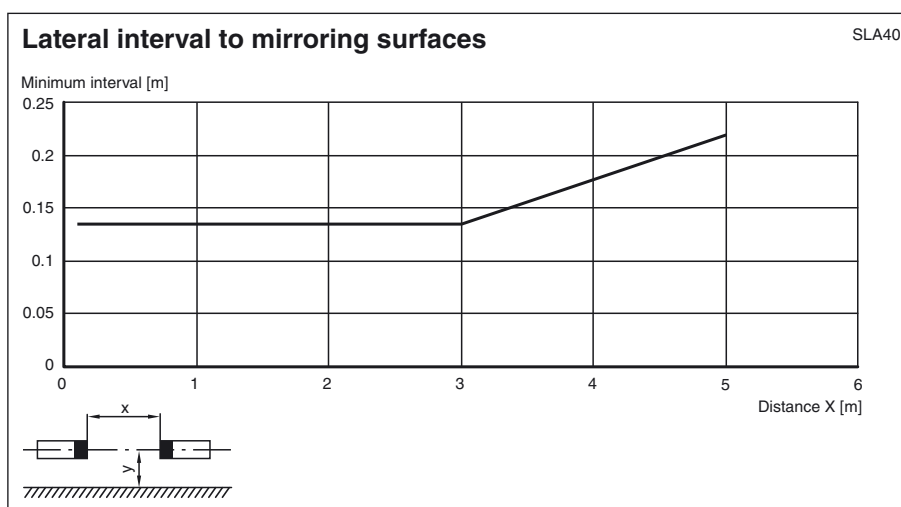
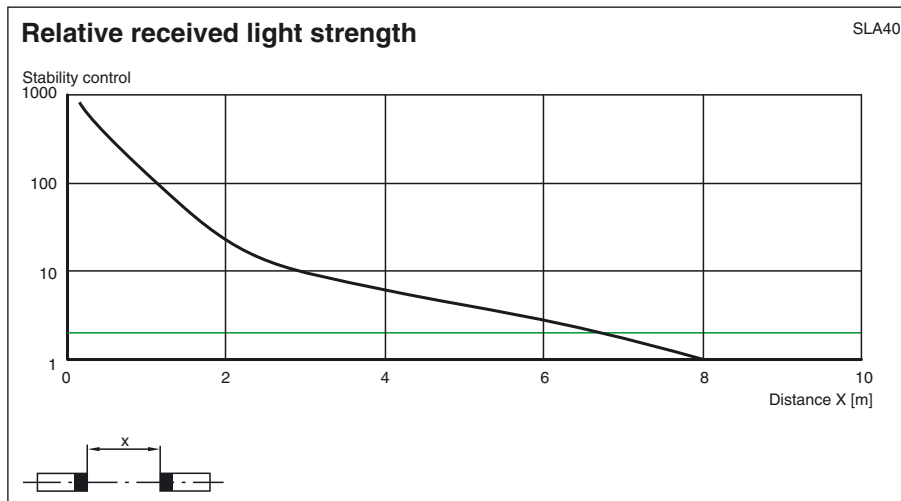
General information

| | |
|-------------------|-----------------|
| System components | |
| Emitter | SLA40-T/33 K=5m |
| Receiver | SLA40-R/33 K=5m |

Curves/Diagrams



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System accessories

Control units

SB4 (SafeBox)

Cable sockets (only 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

Mounting aids

OMH-40

Further accessories

Redirection mirror
 SLA-1-M

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