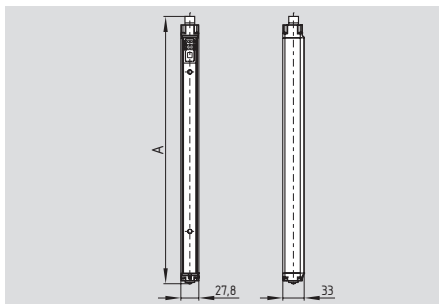


Safety light curtains and safety light grids

SLC 440

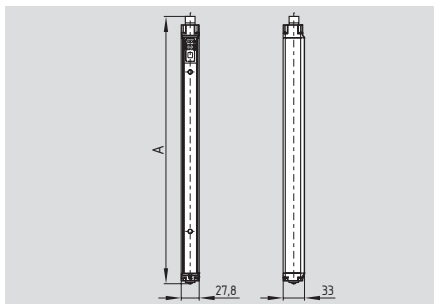


• Safety light curtain

- Type 4 to EN 61496-1, CLC/TS 61496-2
- Resolution 14 and 30 mm
- Protection field heights 170 mm ... 1930 mm
- Integrated start/restart interlock
- Integrated contactor control
- Integrated double acknowledgment/reset
- Integrated blanking function (fixed and mobile blanking)
- Diagnostic and parametrization interface
- Range 0,3 m ... 10 m
- Fail-safe transistor outputs
- Beam coding
- Illuminated LED end cap status indicator
- 7-segment display, rotatable 180°
- Protection class IP67

Legend: A = Total length
A = 81 mm + Protection field height

SLG 440



• Safety light grid

- 2-, 3- or 4-beam light grid
- Range 0.3 ... 12 m, high range up to 20 m

Legend: A = Total length
2-beam A = 610 mm
3-beam A = 910 mm
4-beam A = 1010 mm

Technical data

Standards: EN 61496-1; CLC/TS 61496-2
EN ISO 13849, EN 62061
Category: Type 4
Enclosure: aluminum
Enclosure dimensions: 27.8 x 33 mm
Connection: Connector plug
- Emitter: M12, 4-pole,
- Receiver: M12, 8-pole
Max. cable length: 100 m / 1 Ω
Protection class: IP67 to EN 60529
Response time: 10 ... 40 ms (depends on length and resolution)

Detection sensitivity (Resolution): 14 and 30 mm
Protection field height:
- Resolution 14 mm 170 ... 1930 mm
- Resolution 30 mm 170 ... 1930 mm
- 2-, 3-, 4-beam 500, 800, 900 mm

Protection field width, Range:
- Resolution 14 mm 0.3 m ... 7 m
- Resolution 30 mm 0.3 m ... 10 m
- 2-, 3-, 4-beam 0.3 m ... 20 m

Start/restart interlock: Integrated
Contactor control: Integrated
Blanking function: Integrated
Light emission wavelength: 880 nm (infrared)
U_e: 24 VDC ± 10%
Safety outputs: 2 x PNP, 250 mA
Status and diagnostics: LED-, 7-segment display

Ambient temperature: -25 °C ... +50 °C
Storage and transport temperature: -25 °C ... +70 °C

Classification:

Standards: EN ISO 13849-1; EN 62061
PL: up to e
Category: up to 4
PFH-value:

5,14 x 10⁻⁹ /h
8,14 x 10⁻⁹ /h

SIL: up to 3
Service life: 20 years

Approvals



Ordering details

SLC 440-E/R^{①-②}

No.	Option	Description
①	xxxx	Protected heights (mm) 0170, 0250, 0330, 0410, 0490, 0570, 0650, 0730, 0810, 0890, 0970, 1050, 1130, 1210, 1290, 1370, 1450, 1530, 1610, 1690, 1770, 1850, 1930
②	14	Resolution 14 mm with a range of 0.3 m ... 7 m
	30	Resolution 30 mm with a range of 0.3 m ... 10 m

Ordering details

SLG 440-E/R^{①-②}

No.	Option	Description
①		Distance between outermost beams:
	0500-02	500 mm, 2-beam
	0800-03	800 mm, 3-beam
	0900-04	900 mm, 4-beam
②	-01	Range 0.3 ... 12 m
	-H1	Range 3 ... 20 m

Mounting brackets included in delivery

Ordering details

Connector: Female connector M12

for emitter

4-pole cable, length 5 m **KA-0804**
4-pole cable, length 10 m **KA-0805**
4-pole cable, length 20 m **KA-0808**

for receiver

8-pole cable, length 5 m **KA-0904**
8-pole cable, length 10 m **KA-0905**
8-pole cable, length 20 m **KA-0908**

Cable for the parametrization

cable length 1 m **KA-0974**