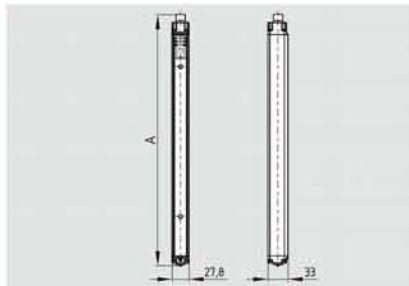


Safety light curtains with integrated diagnostics and parameter setting

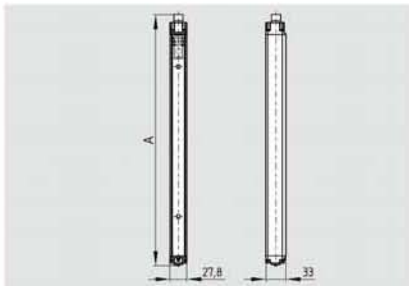
SLC 440



- **Safety light curtain**
- Type 4 to EN 61496-1, CLC/TS 61496-2
- Resolution 14 and 30 mm
- Protection field heights 170 mm ... 1770 mm
- Integrated start/restart interlock
- Integrated contactor control
- Integrated blanking function (fixed and mobile blanking)
- Diagnostic and parametrization interface
- Range 0,3 m ... 10 m
- Fail-safe transistor outputs
- Optical synchronisation
- LED Status display, 7-segment display
- 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

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
Category:	Type 4
Enclosure:	aluminium
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 ... 27 ms (depends on length and resolution)
Detection sensitivity (Resolution):	14 and 30 mm
Protection field height:	
- Resolution 14 mm	170 ... 1210 mm
- Resolution 30 mm	170 ... 1770 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 ... 12 m
Start/restart interlock:	Integrated
Contactor control:	Integrated
Blanking function:	Integrated
Light emission wavelength:	880 nm (infrared)
U _{ce} :	24 VDC ± 10%
Safety outputs:	2 x PNP, 250 mA
Power consumption:	Emitter 1,8 W, Receiver 3,8 W
Status and diagnostics:	LED-, 7-segment display
Ambient temperature:	-10 °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:	
- SLC 440	11,4 x 10 ⁻⁹ /h
- SLG 440	8,14 x 10 ⁻⁹ /h
SIL:	up to 3
Service life:	20 years

Approvals



Approvals



Ordering details

SLC 440-E/R①-②-01

No.	Option	Description
①	xxxx	Protected heights (mm) available lengths: 0170, 0250, 0330, 0410, 0490, 0570, 0650, 0730, 0810, 0890, 0970, 1050, 1130, 1210, 1290*, 1370*, 1450*, 1530*, 1610*, 1690*, 1770*
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

-01 = integrated status indication (option)
* only for resolution 30 mm

Ordering details

SLG 440-E/R①-01

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
		Range 0.3 ... 12 m

-01 = integrated status indication (option)

Ordering details

Connector:

Female connector M12, 4-pole straight
for emitter

cable length 5 m	101207741
cable length 10 m	101207742
cable length 20 m	101207743

Female connector M12, 8-pole straight
for receiver

cable length 5 m	101207728
cable length 10 m	101207729
cable length 20 m	101207730

Cable for the parametrization

cable length 1 m	101217615
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