

ELG-E/ELG-S

Single path light grid

ELG-E/ELG-S

with 9-pin sub-D connector

CE



- ◆ Detection range up to 125 mm
- ◆ High-resolution light grid
- ◆ Beam spacing 5 mm
- ◆ Detection of programmed objects by TEACH-IN
- ◆ Micro processor controlled beam evaluation

Light Grids

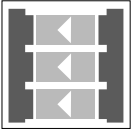
For mounting aids and other accessory items refer to chapter "accessories".

Date of issue 10/15/01

Ordering code		ELG-E/ELG-S
Effective detection range	0 ... 90 mm	◆
Threshold detection range	125 mm	◆
Sensing range	0 ... 90 mm	◆
Field height	240 mm	◆
Number of beams	48	◆
Beam spacing	5 mm	◆
Obstacle size	5 mm	◆
Light source	IRED	◆
Light type	Infrared	◆
Angle of divergence	approx. ± 10 °	◆
Ambient light limit	100000 Lux	◆
Standard conformity	EN 60947-5-2	◆
Approvals	CE	◆
Function display	LED yellow	◆
Operating voltage	24 V DC	◆
Ripple	10 %	◆
Current consumption	300 mA	◆
Signal output	2 pnp antivalent, short-circuit proof, protected against reverse polarity	◆
Switching type	light/dark switching	◆
Switching voltage	24 V DC	◆
Switching current	200 mA	◆
Switching frequency	350 Hz	◆
Response time	1 ms	◆
Test input	Emitter deactivation	◆
Function input	TEACH-IN input	◆
Ambient temperature	0 ... +60 °C	◆
Storage temperature	0 ... +75 °C	◆
Protection degree	IP65	◆
Connection type	9-pin sub-D connector	◆
Housing	metal	◆
Light exit	Plastic	◆
Mass	1000 g (device)	◆

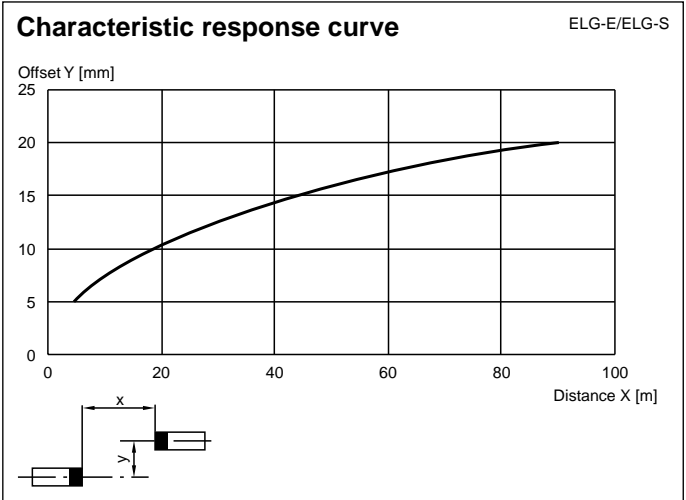
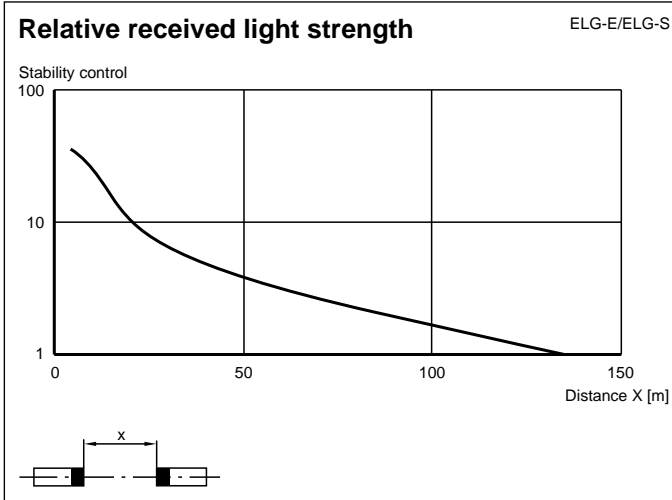
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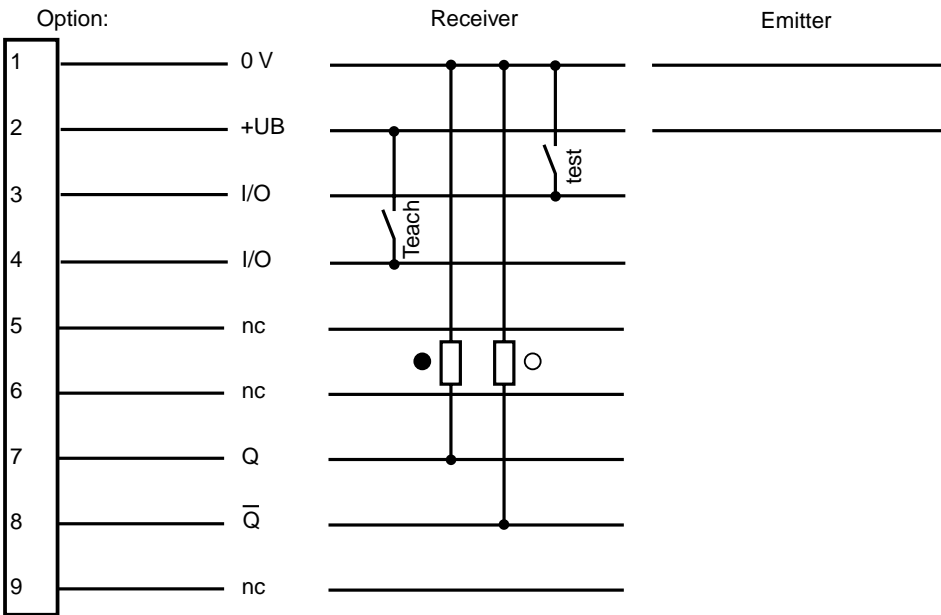


ELG-E/ELG-S

Diagrams

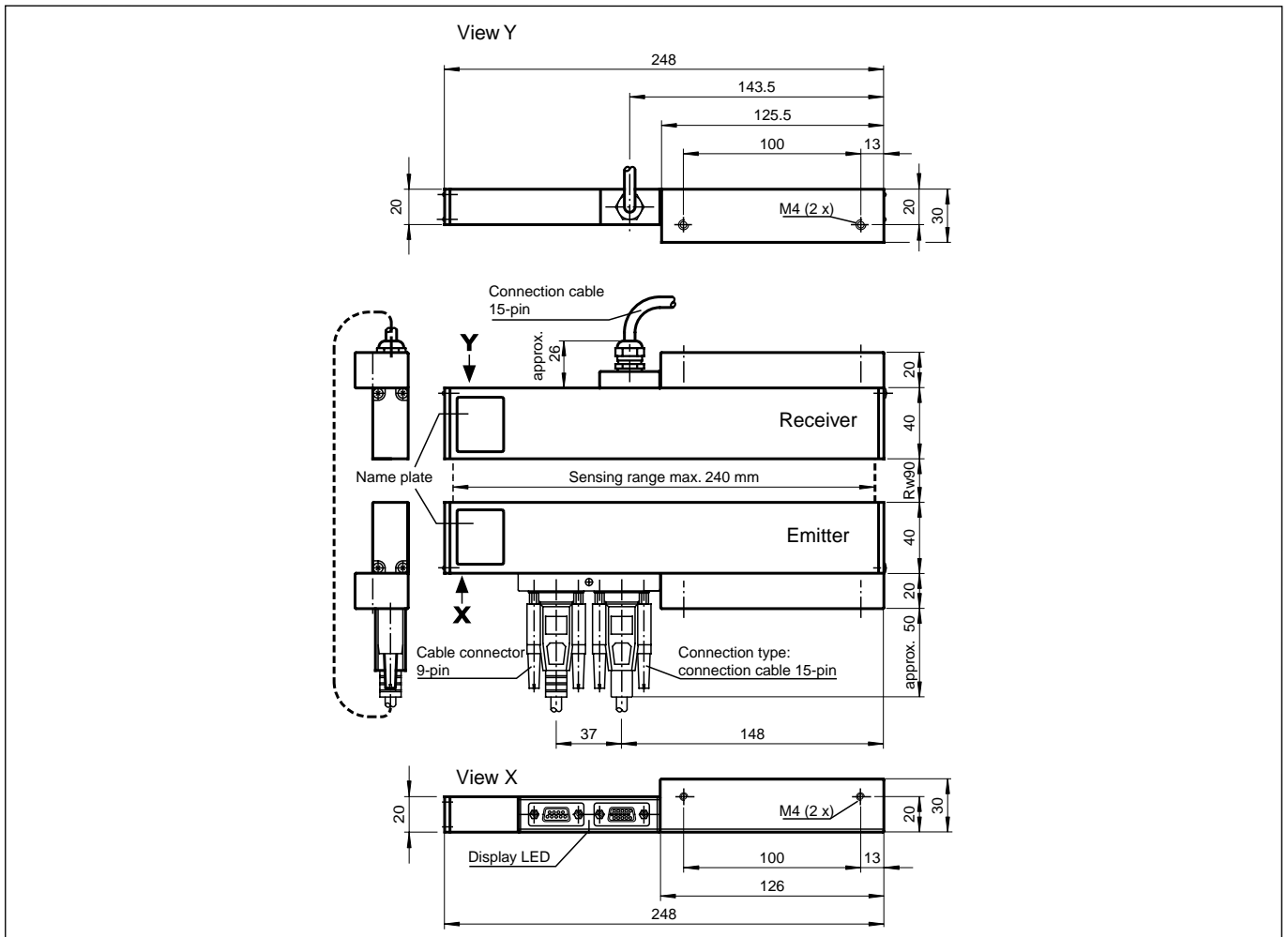


Electrical Connection



Light Grids

Dimensions



Accessories

Cable connector for light grid ELG: **Model number** SUBD-ELG-VIS

Light Grids