Safety light grid

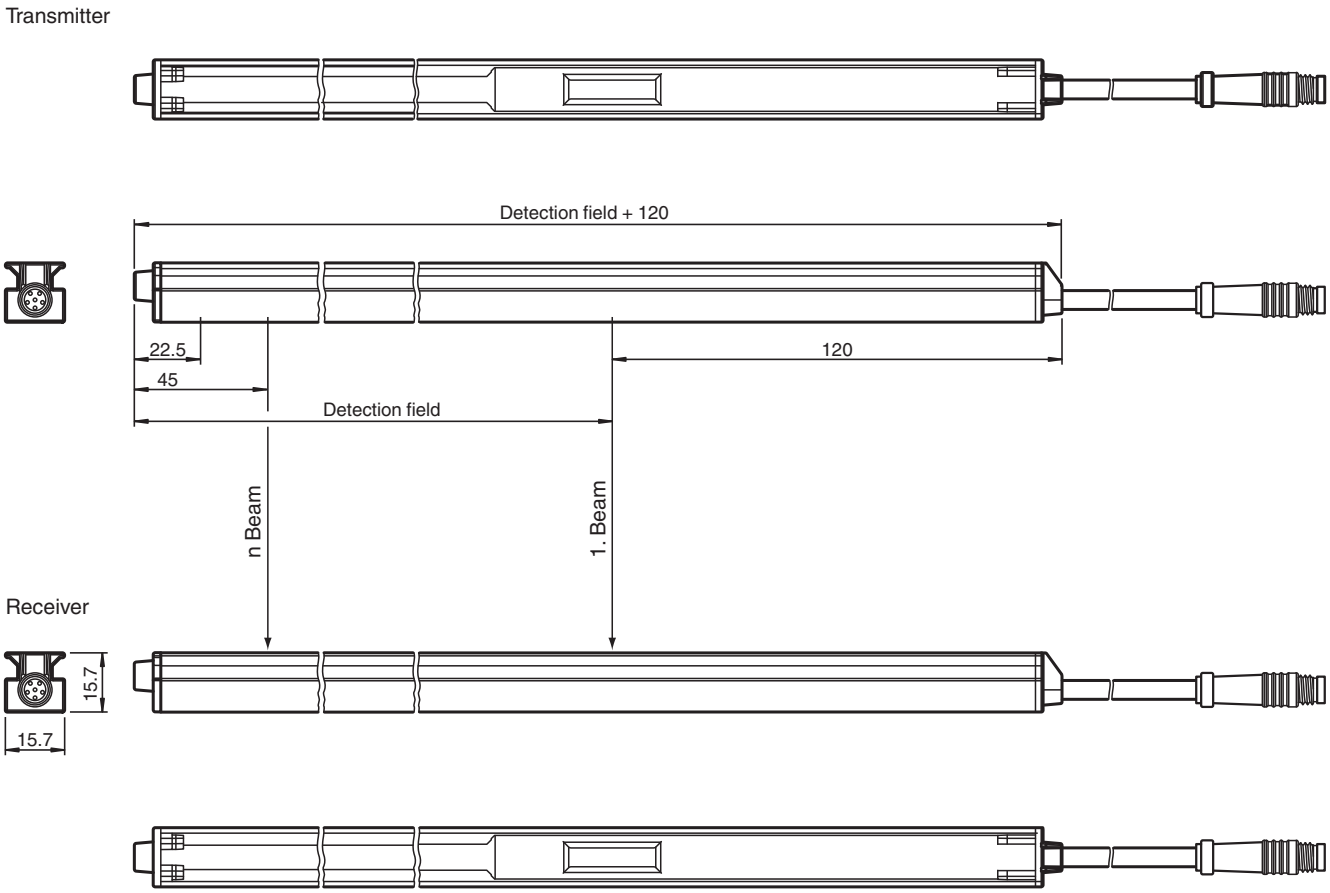
LIGI

LG01B-2520-56A-1-P1-C0-F05-S15

- Cost-optimized series for standard tasks
- High degree of protection (IP67)
- Direct assembly
- PNP output

PNP safety light grid

Dimensions



Technical Data

General specifications	
Effective detection range	1.6 ... 10 m
Threshold detection range	14 m

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Technical Data

Number of protective field beams		56
Light source		IRED
Light type		infrared
Tests		
Marking		CE
Target size		50 mm
Protection field height		2520 mm
Opening angle		eff. 5 °
Optical face		frontal
Ambient light limit		100000 Lux
Indicators/operating means		
Operation indicator		Emitter: LED green Receiver: LED green
Function indicator		Emitter: yellow LED Receiver: LED red: lit when the light beam is interrupted LED green: lights up when light beam is free
Stability alarm indicator		available
Electrical specifications		
Operating voltage	U_B	10 ... 30 V DC
Operating current	I_B	Emitter: approx. 30 mA (24 V) receiver: approx. 20 mA (24 V)
Power consumption	P_0	approx. 1.2 W
Input		
Test input		low active or Open cable end
Output		
Output type		PNP
Switching type		light-on
Signal output		100 mA , short-circuit proof, reverse polarity protected
Energized/De-energized delay		< 800 ms
Response time		≤ 100 ms
Conformity		
Product standard		EN ISO 13849 , EN 12978 , EN 61000-6-2, EN 61000-6-3
Ambient conditions		
Ambient temperature		-20 ... 60 °C (-4 ... 140 °F)
Storage temperature		-30 ... 70 °C (-22 ... 158 °F)
Relative humidity		max. 95 %, not condensing
Mechanical specifications		
Degree of protection		IP67 according to EN 60529
Connection		fixed cable in M8 plug 4-pin Length: 130 mm
Material		
Housing		black anodized aluminum Epoxy resin molded
Mass		approx. 1612 g
Dimensions		
Height		2640 mm
Width		16 mm
Depth		16 mm

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