Safety light grid

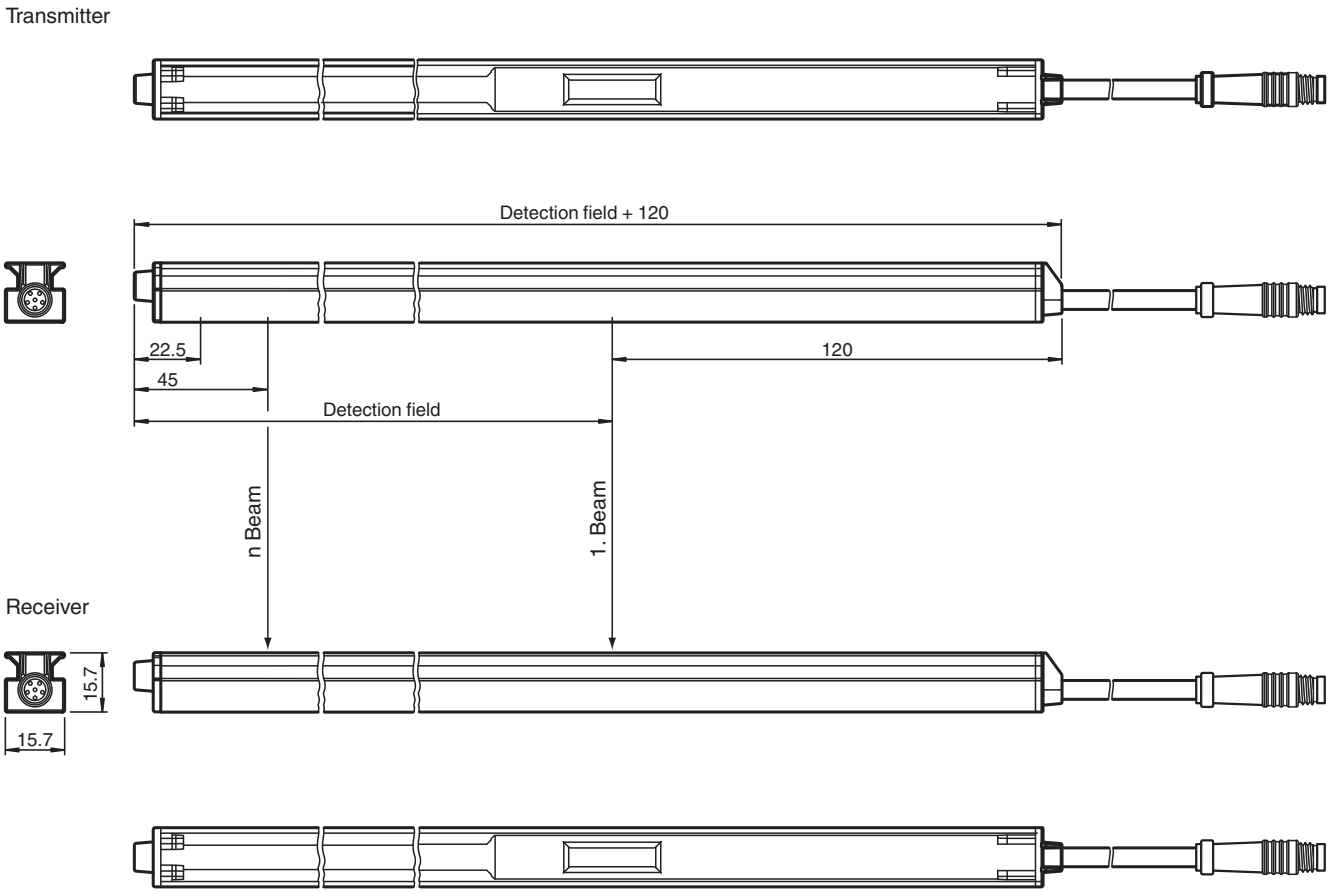
LIGI

LG01B-2520-23C-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

Release date: 2025-10-17 Date of issue: 2025-10-17 Filename: 64318847_eng.pdf

Technical Data

Number of protective field beams		23
Light source		IRED
Light type		infrared
Tests		
Marking		CE
Target size		50 ... 200 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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