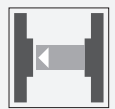


Safety light grid

WITTsensoric



LIGI

LG01B-2520-23C-0-OS-C0-F05-S15



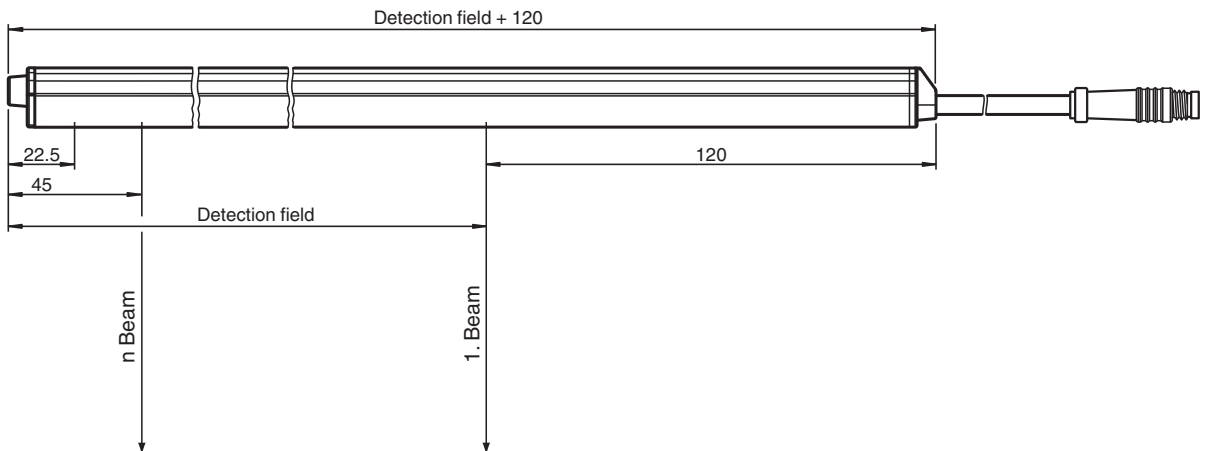
- Cost-optimized series for standard tasks
- High degree of protection (IP67)
- Direct assembly
- OSE Output

OSE safety light grid

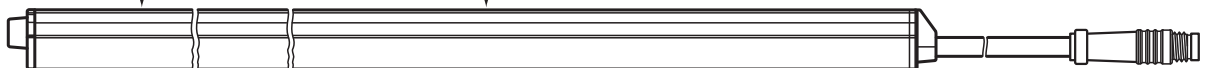
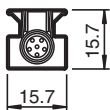


Dimensions

Transmitter



Receiver



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	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	high-active	
Output		
Output type	OSE	
Switching type	light-on	
Signal output	950 Hz , transistor output loadable with max. 20 mA, short-circuit 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. 1860 g	
Dimensions		
Height	2640 mm	
Width	16 mm	
Depth	16 mm	