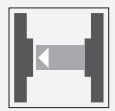


Safety light grid

WITT Sensoric



LIGI

LG01B-2520-56A-0-OS-C0-F05-S15



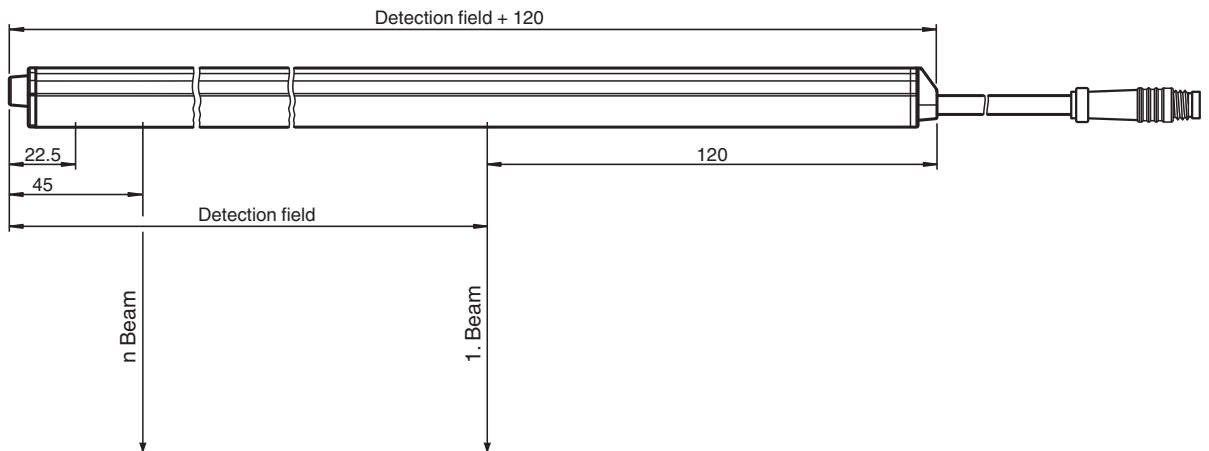
- Cost-optimized series for standard tasks
- High degree of protection (IP67)
- Direct assembly
- OSE Output

OSE safety light grid

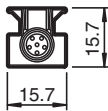


Dimensions

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	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	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. 1612 g	
Dimensions		
Height	2640 mm	
Width	16 mm	
Depth	16 mm	