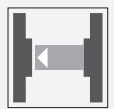


Safety light grid

LG01B-2520-56A-5-R1-C3-F05-S15

WITT Sensoric



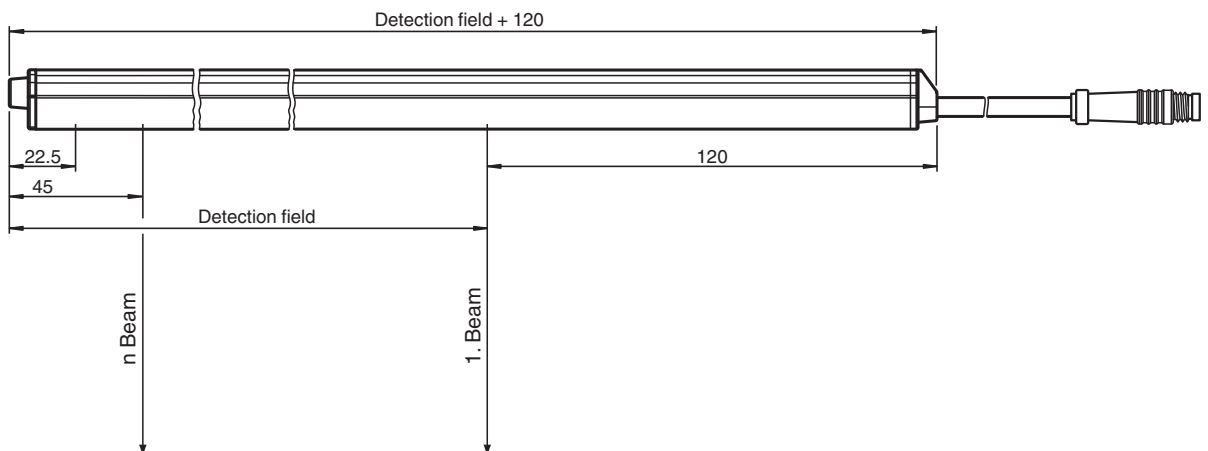
- Cost-optimized series for standard tasks
- High degree of protection (IP67)
- Direct assembly
- Relay output

SSR safety light grid

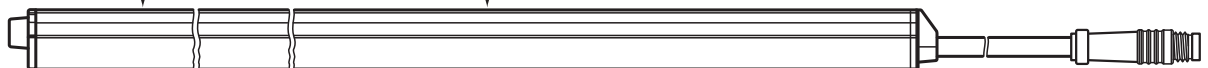
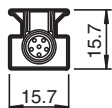


Dimensions

Transmitter



Receiver



Technical Data

General specifications

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

Release date: 2024-07-01 Date of issue: 2024-07-08 Filename: 64319617_eng.pdf

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

Pepperl+Fuchs Group
www.pepperl-fuchs.com

USA: +1 330 486 0001
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111
fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

PEPPERL+FUCHS

Technical Data

Number of protective field beams	56
Light source	IREC
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 or low active
Output	
Output type	relay
Switching type	light-on
Signal output	100 mA , short-circuit protected , potential-free
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 with M8 plug, 6-pin
Material	
Housing	black anodized aluminum Epoxy resin molded
Mass	approx. 1612 g
Dimensions	
Height	2640 mm
Width	16 mm
Depth	16 mm