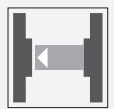


Safety light grid

LG01B-1620-18C-5-R1-C3-F05-S15

WITT Sensoric



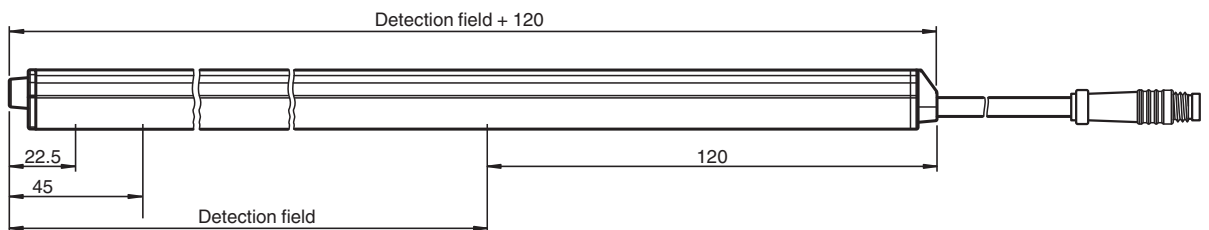
- Cost-optimized series for standard tasks
- High degree of protection (IP67)
- Direct assembly
- Relay output

SSR safety light grid

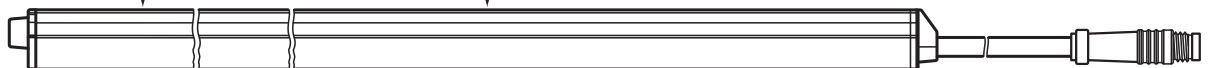
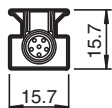


Dimensions

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: 64325010_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	18
Light source	IREC
Light type	infrared
Tests	
Marking	CE
Target size	50 ... 200 mm
Protection field height	1620 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 13849:2015 , EN 12978:2003+A1:2009 , 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 6-pin Length: 130 mm
Material	
Housing	black anodized aluminum Epoxy resin molded
Mass	approx. 1072 g
Dimensions	
Height	1740 mm
Width	16 mm
Depth	16 mm

Release date: 2024-07-01 Date of issue: 2024-07-08 Filename: 64325010_eng.pdf