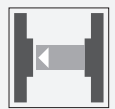


# Safety light grid

WITT Sensoric



## LIGI

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



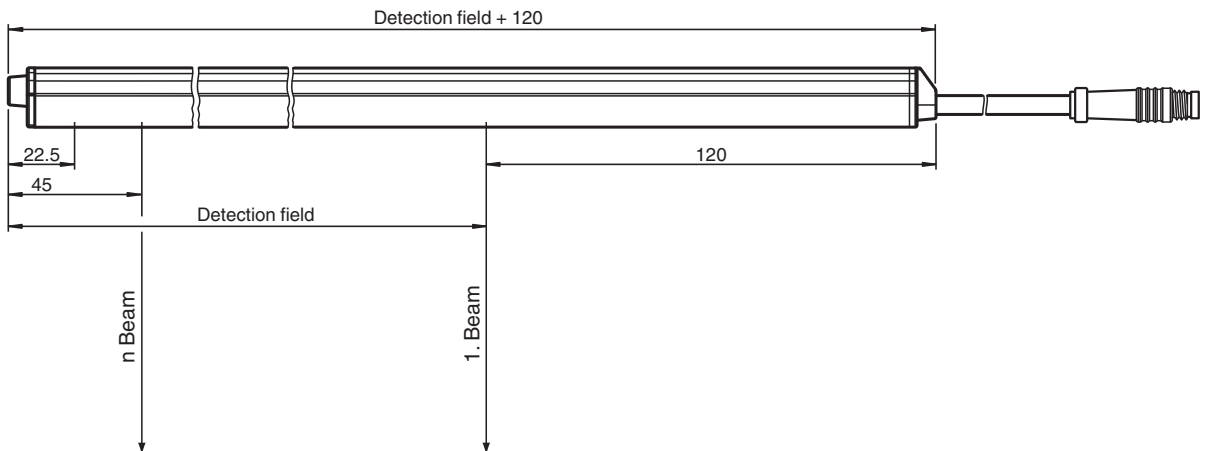
- Cost-optimized series for standard tasks
- High degree of protection (IP67)
- Direct assembly
- Relay output

SSR safety light grid

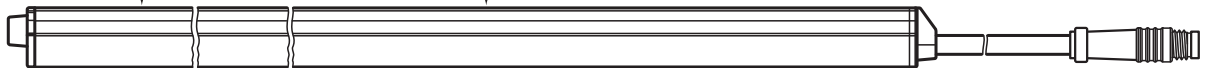
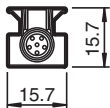


## Dimensions

Transmitter



Receiver



## Technical Data

### General specifications

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

Release date: 2025-03-17 Date of issue: 2025-03-17 Filename: 64325010\_eng.pdf

## Technical Data

Number of protective field beams		18
Light source		IREd
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
<b>Indicators/operating means</b>		
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
<b>Electrical specifications</b>		
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
<b>Input</b>		
Test input		high active or low active
<b>Output</b>		
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
<b>Conformity</b>		
Product standard		EN ISO 13849:2015 , EN 12978:2003+A1:2009 , EN 61000-6-2, EN 61000-6-3
<b>Ambient conditions</b>		
Ambient temperature		-20 ... 60 °C (-4 ... 140 °F)
Storage temperature		-30 ... 70 °C (-22 ... 158 °F)
Relative humidity		max. 95 %, not condensing
<b>Mechanical specifications</b>		
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