

# towing bar detection

## DG01B-810-18A-2-P1-C0-F07-S15

WITT Sensoric



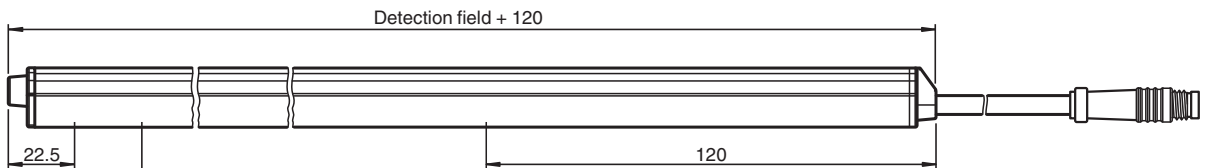
- Cost-optimized series for standard tasks
- High degree of protection (IP67)
- towing bar detection
- Direct assembly
- PNP output

comfort light grid with towing bar detection

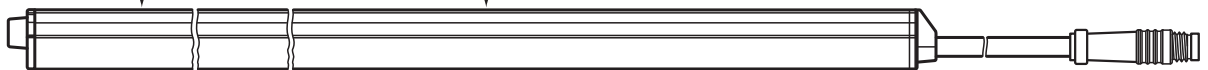
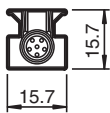


### Dimensions

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: 64319657\_eng.pdf

## Technical Data

Number of protective field beams		18
Light source		IREd
Light type		infrared
Tests		
Marking		CE
Target size		50 mm
Protection field height		810 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
<b>Output</b>		
Output type		PNP
Switching type		light-on
Signal output		100 mA , short-circuit proof, reverse polarity protected
Energized/De-energized delay		< 800 ms
Response time		≤ 100 ms
<b>Conformity</b>		
Product standard		EN ISO 13849 , EN 12978 , 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 4-pin Length: 130 mm
Material		
Housing		black anodized aluminum Epoxy resin molded
Mass		approx. 586 g
Dimensions		
Height		930 mm
Width		16 mm
Depth		16 mm