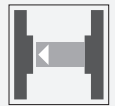


# Thru-beam sensor

## ARGOS-20M-LR-4m

WITT Sensoric

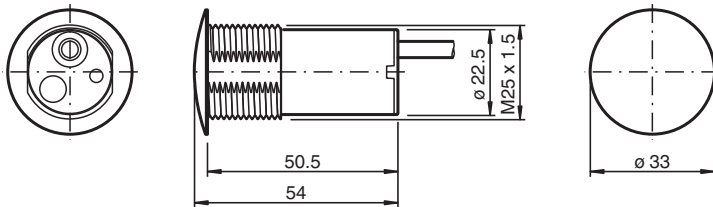


- Indicator LED on the front
- Relay output
- Protection against cross-talk with up to four devices

Thru-beam sensor



### Dimensions



### Technical Data

#### System components

Emitter	ARGOS-T
Receiver	ARGOS-R

#### General specifications

Effective detection range	0.5 ... 20 m
Threshold detection range	28 m
Number of protective field beams	1
Light source	IRED
Light type	modulated infrared light 950 nm
Marking	CE
Diameter of the light spot	approx. 7.3 m at a distance of 20 m
Opening angle	20 °
Optical face	frontal
Ambient light limit	100000 Lux

#### Indicators/operating means

Operation indicator	emitter LED green: power on
Function indicator	Receiver: LED red: lit when the light beam is interrupted
Stability alarm indicator	Receiver: flashing (approx. 4 Hz)

#### Electrical specifications

Operating voltage	U <sub>B</sub>	10 ... 30 V AC 10 ... 40 V DC
Operating current	I <sub>B</sub>	Emitter: ≤ 10 mA Receiver: ≤ 25 mA
Power consumption	P <sub>0</sub>	Emitter: ≤ 0.4 VA Receiver: ≤ 1 VA

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

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**PEPPERL+FUCHS**

## Technical Data

Output	
Output type	relay, NC contact
Switching type	light-on
Switching voltage	DC: max. 48 V AC: max. 50 V
Switching current	DC: max. 0.5 A AC: max. 0.6 A
Energized/De-energized delay	typ. 100 ms
Response time	≤ 25 ms
Conformity	
Product standard	EN 61000-6-2, EN 61000-6-3
Ambient conditions	
Ambient temperature	-20 ... 75 °C (-4 ... 167 °F)
Storage temperature	-20 ... 75 °C (-4 ... 167 °F)
Mechanical specifications	
Degree of protection	IP67 according to EN 60529
Connection	Emitter: 0.25 mm <sup>2</sup> , 3-wire Receiver: 0.25 mm <sup>2</sup> , 5-wire
Material	
Housing	PC2805 RF
Mass	
	Emitter: 116 g Receiver: 131 g
Dimensions	
Length	55 mm
Diameter	22.5 mm