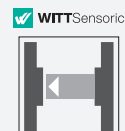




Thru-beam sensor EL25-20M-LR-SET

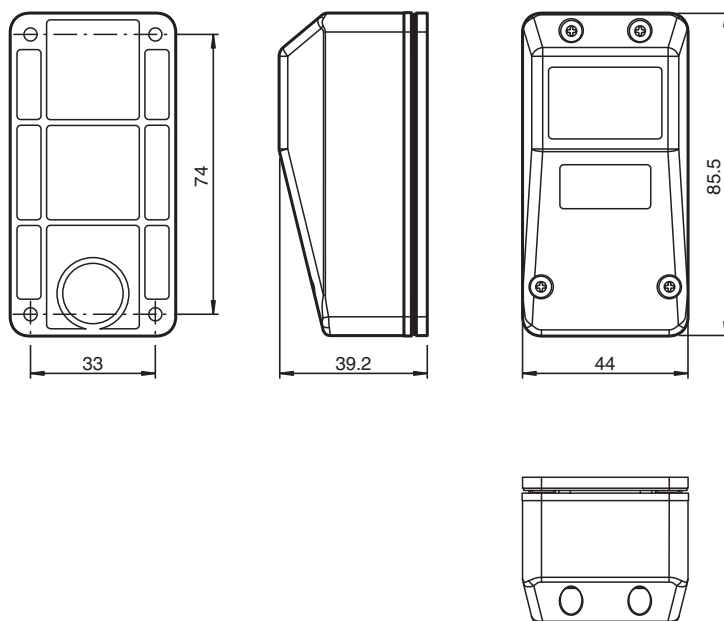


- Photoelectric sensor for detecting people, objects and vehicles
- Indicator LED on the front
- Not sensitive to ambient light
- Relay output
- Version with accessories in scope of delivery

Mid-range photoelectric sensors for detecting people, objects, and vehicles



Dimensions



Technical Data

System components

Emitter	EL25-T.
Receiver	EL25-R.

General specifications

Effective detection range	1.5 ... 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

Release date: 2024-02-14 Date of issue: 2024-02-15 Filename: 64321287_eng.pdf

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

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 **PEPPERL+FUCHS**

Technical Data

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 yellow: Power on
Function indicator		Transmitter: flashes during test Receiver: LED red: lit when the light beam is interrupted LED yellow: lights up when light beam is free
Stability alarm indicator		Receiver: flashing (approx. 4 Hz)
Electrical specifications		
Operating voltage	U_B	24 V AC $\pm$ 25 % 10 ... 40 V DC
Operating current	I_B	Emitter: $\leq$ 25 mA Receiver: $\leq$ 30 mA
Power consumption	P_0	Emitter: $\leq$ 1 VA Receiver: $\leq$ 1.2 VA
Output		
Output type		relay, change-over contact
Switching type		light/dark on
Signal output		Relay, 1 alternator
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		when the light beam is unobstructed again, the relay also switches 100 ms Delay
Response time		< 20 ms detection of the light beam interruption
Conformity		
Product standard		EN 61000-6-2, EN 61000-6-3
Ambient conditions		
Ambient temperature		-25 ... 60 °C (-13 ... 140 °F)
Storage temperature		-35 ... 80 °C (-31 ... 176 °F)
Mechanical specifications		
Degree of protection		IP65 according to EN 60529
Connection		screw terminals for max. 1.5 mm ²
Material		
Housing		Base: ABS GF15 Upper part: PMMA red
Mass		approx. 60 g
Dimensions		
Height		86 mm
Width		44 mm
Depth		39 mm