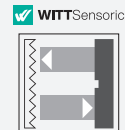




Retroreflective sensor RP25-12M-LR-SET

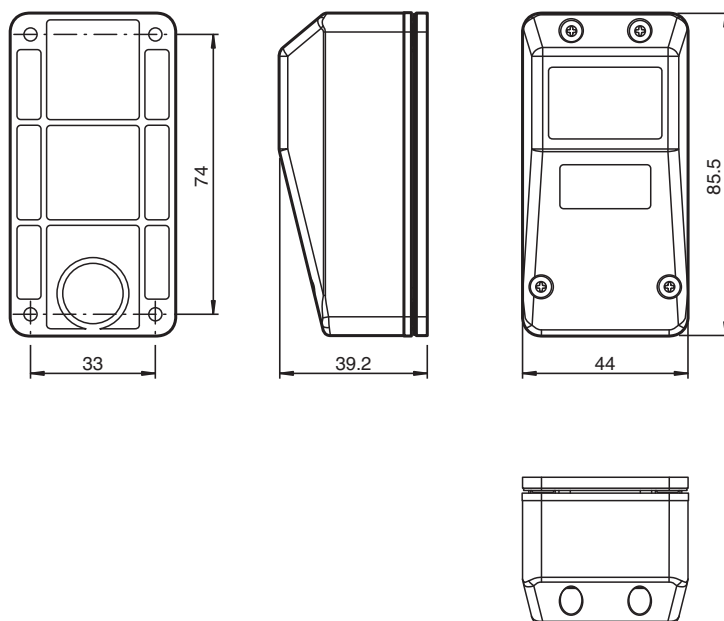


- Photoelectric sensor for detecting people, objects and vehicles
- Indicator LED on the front
- Relay output
- Version with accessories in scope of delivery
- Operating voltage 24 V AC/DC

Retroreflective sensor with polarization filter



Dimensions



Technical Data

General specifications

Effective detection range	0.5 ... 12 m
Threshold detection range	15 m
Reference target	Reflector RD82 SW4
Number of protective field beams	1
Light source	LED
Light type	Modulated light 680 nm
Marking	CE
Diameter of the light spot	approx. 400 mm at a distance of 15 m
Opening angle	1.5 °

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

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PEPPERL+FUCHS

Technical Data

Optical face		frontal
Ambient light limit		100000 Lux
Indicators/operating means		
Function indicator		LED red: lit when the light beam is interrupted LED green: lights up when light beam is free
Stability alarm indicator		LED red flashing (4 Hz) - insufficient operating reserve
Electrical specifications		
Operating voltage	U_B	24 V AC $\pm$ 25 % 10 ... 40 V DC
Operating current	I_B	$\leq$ 30 mA
Power consumption	P_0	$\leq$ 1 VA
Input		
Test input		at 0 V at terminal 1, the transmitter switches off
Output		
Output type		relay, change-over contact
Switching type		light-on
Switching voltage		max. 50 V AC max. 48 V DC
Switching current		DC: max. 0.5 A AC: max. 0.6 A
Energized/De-energized delay		typ. 100 ms
Response time		$\leq$ 10 ms
Conformity		
Product standard		EN 61000-6-2, EN 61000-6-3
Approvals and certificates		
Ambient conditions		
Ambient temperature		-25 ... 60 °C (-13 ... 140 °F)
Storage temperature		-35 ... 80 °C (-31 ... 176 °F)
Relative humidity		max. 95 %, not condensing
Mechanical specifications		
Degree of protection		IP65 according to EN 60529
Connection		screw terminals for max. 1.5 mm ²
Material		
Housing		ABS GF15
Mass		approx. 60 g
Dimensions		
Height		86 mm
Width		44 mm
Depth		39 mm

Connection Assignment

