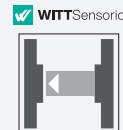




Thru-beam sensor SLENDER-13M-E5-V31



- Single-beam monitoring with extremely narrow sensor
- Integrated circuit
- Test
- Simple installation - Plug & Play
- Ideal for installation in door profiles or frames
- Light on version

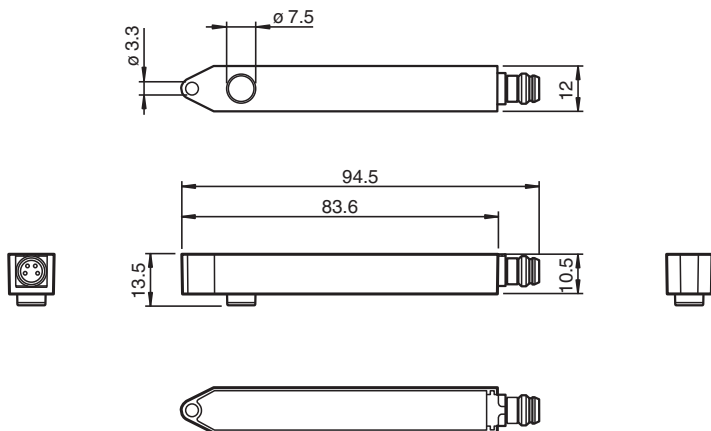
Single-beam miniature sensor, ideal for installing in frames or door profiles



Application

- Person detection for automatic doors and gates
- Closing edge protection on sliding and revolving doors
- Threshold monitoring for elevator doors
- Step monitoring for doors on public transport vehicles
- Trigger function for restarting escalators

Dimensions



Technical Data

System components	
Emitter	SLENDER-T
Receiver	SLENDER-R
General specifications	
Effective detection range	0.5 ... 13 m
Threshold detection range	18 m
Number of protective field beams	1
Light source	IREL
Light type	modulated infrared light 950 nm
Marking	CE
Diameter of the light spot	approx. 4.8 m at a distance of 13 m

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

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PEPPERL+FUCHS

Technical Data

Opening angle	20 °	
Optical face		frontal
Ambient light limit	100000 Lux	
Indicators/operating means		
Operation indicator	Emitter: LED green	
Function indicator		receiver LED green: Light beam is interrupted LED lights up red when output is active
Electrical specifications		
Operating voltage	U _B	10 ... 30 V DC
Operating current	I _B	Emitter: ≤ 25 mA Receiver: ≤ 10 mA
Input		
Test input	available	
Output		
Output type	PNP	
Switching type		light/dark on selectable programmable
Signal output	max. 200 mA	
Switching voltage		max. 30 V DC
Short-circuit-proof	yes	
Energized/De-energized delay		when the light beam is unobstructed again, the relay also switches 25 ms Delay
Response time	≤ 25 ms	
Conformity		
Product standard	EN 61000-6-2, EN 61000-6-3	
Ambient conditions		
Ambient temperature	-20 ... 60 °C (-4 ... 140 °F)	
Storage temperature		-20 ... 75 °C (-4 ... 167 °F)
Relative humidity	90 % , noncondensing	
Mechanical specifications		
Degree of protection	IP67 according to EN 60529	
Connection		M8 connector, 4-pin
Material		
Housing		PC transparent
Mass	12 g	
Dimensions		
Height	83 mm	
Width		12 mm
Depth	12.5 mm	