

Thru-beam sensor

SLENDER-13M-E5-V31

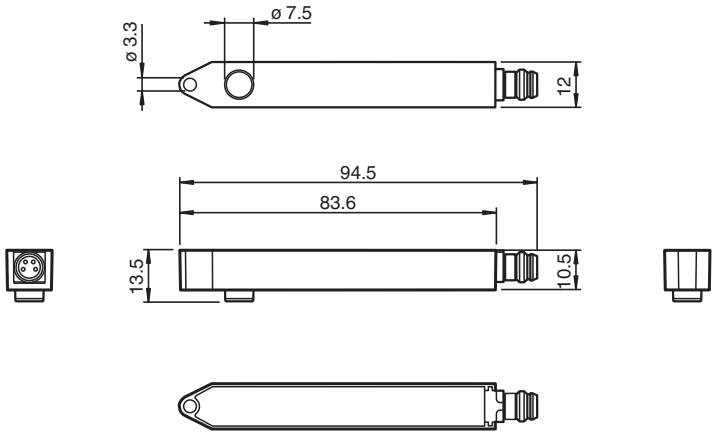
- Single-beam monitoring with extremely narrow sensor
- Integrated circuit
- Test
- Simple installation - Plug & Play
- Ideal for installation in door profiles or frames
- Light on version

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
- 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		IRED
Light type		modulated infrared light 950 nm
Marking		CE
Diameter of the light spot		approx. 4.8 m at a distance of 13 m

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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

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