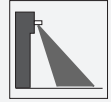




Sensor module, receiver DoorScan-R

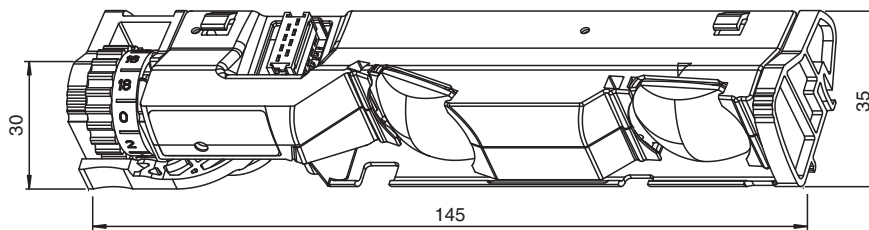


- Sensor module for configurable DoorScan® presence sensor
- Receiver module (R)
- Adjustment options for detection field and angle of inclination
- Tool-free module mounting using snap-in mechanism

Replacement/extension sensor module for installation in the DoorScan® and TopScan sensor profile, receiver module



Dimensions



Technical Data

General specifications

Detection range min.	0 ... 1500 mm
Detection range max.	0 ... 3500 mm
Light source	IRED
Light type	modulated infrared light
Black/White difference (6 %/90 %)	< 2 % at 2000 mm sensor range
Operating mode	Background evaluation

Functional safety related parameters

Safety Integrity Level (SIL)	SIL 2
Performance level (PL)	PL d
Category	Cat. 2
MTTF _d	383 a
Mission Time (T _M)	20 a
Diagnostic Coverage (DC)	90 %

Indicators/operating means

Function indicator	Receiver: Red LED: detection, excess gain, fault code
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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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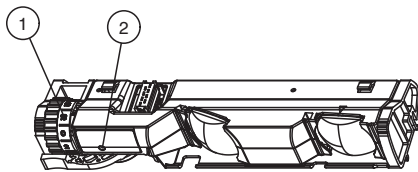
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PF PEPPERL+FUCHS

Technical Data




Electrical specifications			
No-load supply current	I_0	30 mA	
Conformity			
Functional safety		ISO 13849-1 ; EN 61508 part1-4	
Product standard		EN 12978	
Approvals and certificates			
CCC approval		CCC approval / marking not required for products rated ≤ 36 V	
Ambient conditions			
Ambient temperature		-30 ... 60 °C (-22 ... 140 °F)	
Mechanical specifications			
Mounting height		max. 3500 mm	
Degree of protection		IP54 (iwhen mounted)	
Material			
Optical face		PC (Polycarbonate)	
Mass		approx. 50 g	

Assembly



1	Inclination angle adjustment
2	Red status LED: light received

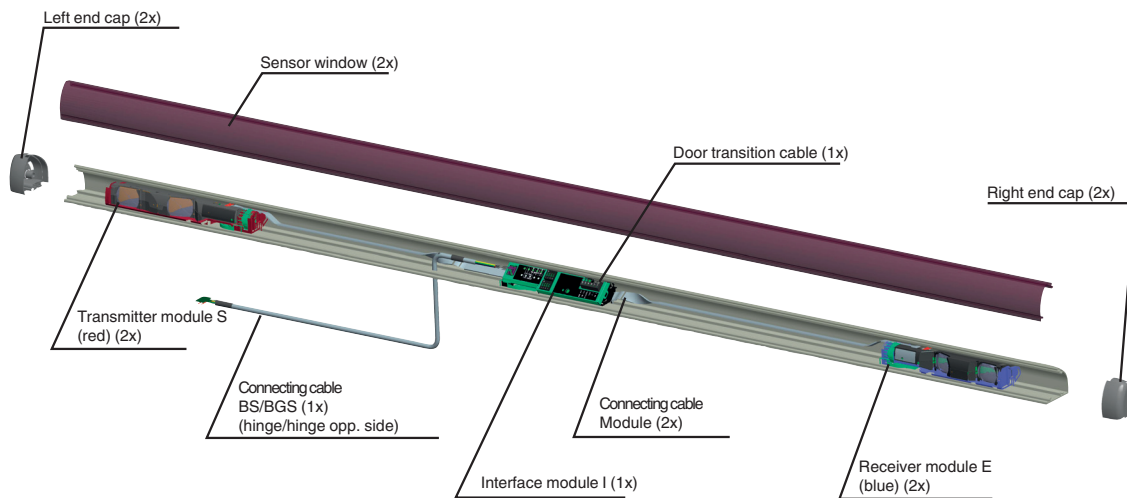
Accessories

	DoorScan Connection Cable 5p	Connecting cable with 5 plug-in connections for DoorScan®-I/-T/-R modules
	DoorScan Adapter	Adapter module for installation in the DoorScan® and TopScan sensor profile, multifunction interface module
	DoorScan Cable Adapter	Adapter module for installation in the DoorScan® sensor profile, multifunction interface module

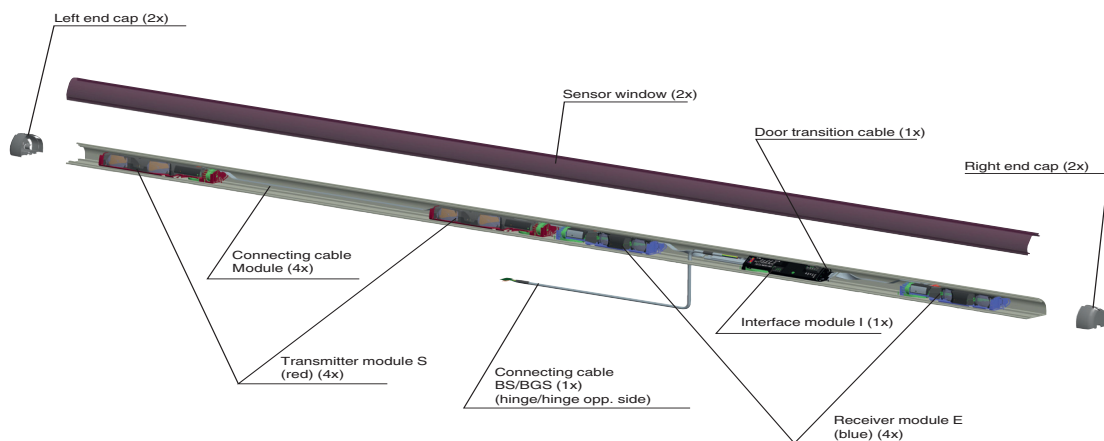
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Assembly

Layout of the sensor system for a door with one emitter and one receiver (hinge side/leading edge side)



Layout of the sensor system for a door with two emitters and two receivers (hinge side/leading edge side)



Accessories

Other suitable accessories can be found at www.pepperl-fuchs.com

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