



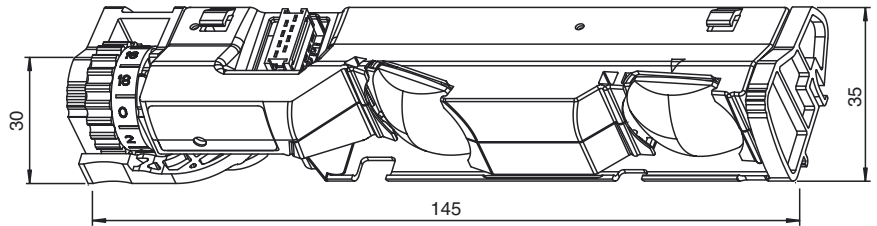
**Model Number**

**DoorScan-R**  
Sensor module, receiver

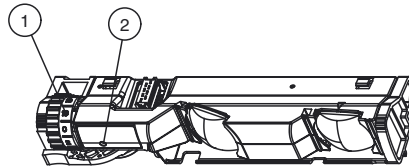
**Features**

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

**Dimensions**



**Indicators/operating means**



1	Inclination angle adjustment
2	Red status LED: light received

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

Pepperl+Fuchs Group  
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**Technical data****General specifications**

Detection range min.	0 ... 1500 mm
Detection range max.	0 ... 3500 mm
Light source	IREL
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 <sub>d</sub>	383 a
Mission Time (T <sub>M</sub> )	20 a
Diagnostic Coverage (DC)	90 %

**Indicators/operating means**

Function display	Receiver: Red LED: detection, excess gain, fault code
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**Electrical specifications**

No-load supply current	I <sub>0</sub>	30 mA
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**Ambient conditions**

Ambient temperature	-30 ... 60 °C (-22 ... 140 °F)
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**Mechanical specifications**

Mounting height	max. 3500 mm
Protection degree	IP54 (iwhen mounted)
Material	
Optical face	PC (Polycarbonate)
Mass	approx. 50 g

**Compliance with standards and directives**

Directive conformity	
Machinery Directive 2006/42/EC	EN 12978:2003+A1:2009 EN ISO 13849-1:2008 + AC:2009 EN 16005:2012 Chapter 4.6.8
EMC Directive 2004/108/EC	EN 61000-6-2:2005 EN 61000-6-3:2007+A1:2011
Standard conformity	
Standards	EN 61508-1:2010 DIN 18650-1:2010 Chapter 5.7.4 BS 7036-1:1996 Chapter 7.3.2 BS 7036-2:1996 Chapter 8.1

**Approvals and certificates**

CCC approval	CCC approval / marking not required for products rated ≤36 V
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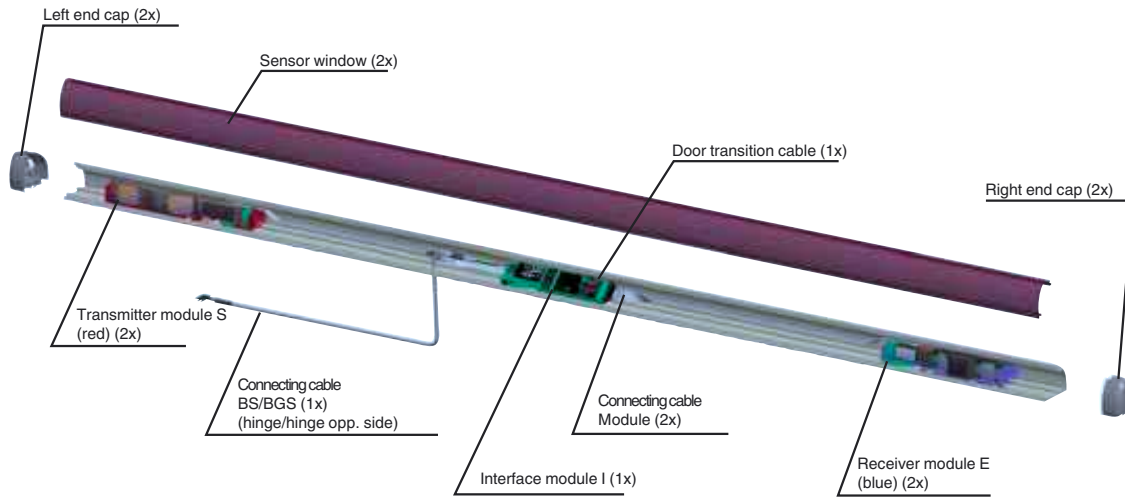
**Accessories****DoorScan Connection Cable 5p**

Connecting cable with 5 plug-in connections for DoorScan®-I/-T/-R modules

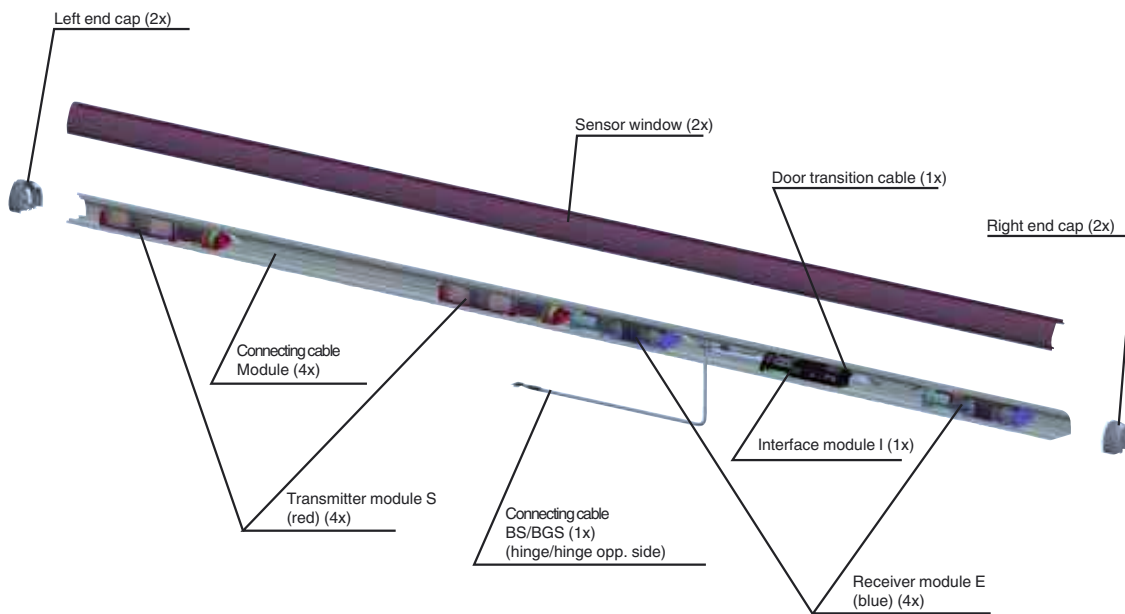
Other suitable accessories can be found at [www.pepperl-fuchs.com](http://www.pepperl-fuchs.com)

**Additional Information**

**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)**



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