



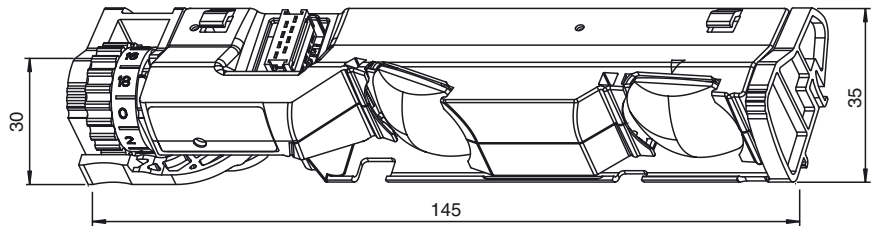
**Model Number**

**DoorScan-R**  
Sensor module, receiver

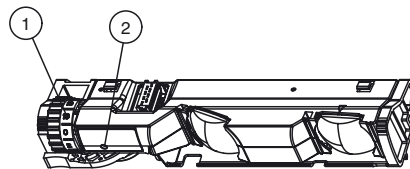
**Features**

- 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

**Dimensions**



**Indicators/operating means**



1	Inclination angle adjustment
2	Red status LED: light received

Release date: 2019-08-26 14:31 Date of issue: 2019-08-26 247286\_eng.xml

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

**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 <sub>d</sub>	383 a
Mission Time (T <sub>M</sub> )	20 a
Diagnostic Coverage (DC)	90 %

**Indicators/operating means**

Function indicator	Receiver: Red LED: detection, excess gain, fault code
--------------------	---

**Electrical specifications**

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

**Conformity**

Functional safety	ISO 13849-1 ; EN 61508 part1-4
Product standard	EN 12978

**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

**Approvals and certificates**

CCC approval	CCC approval / marking not required for products rated ≤36 V
--------------	--

**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

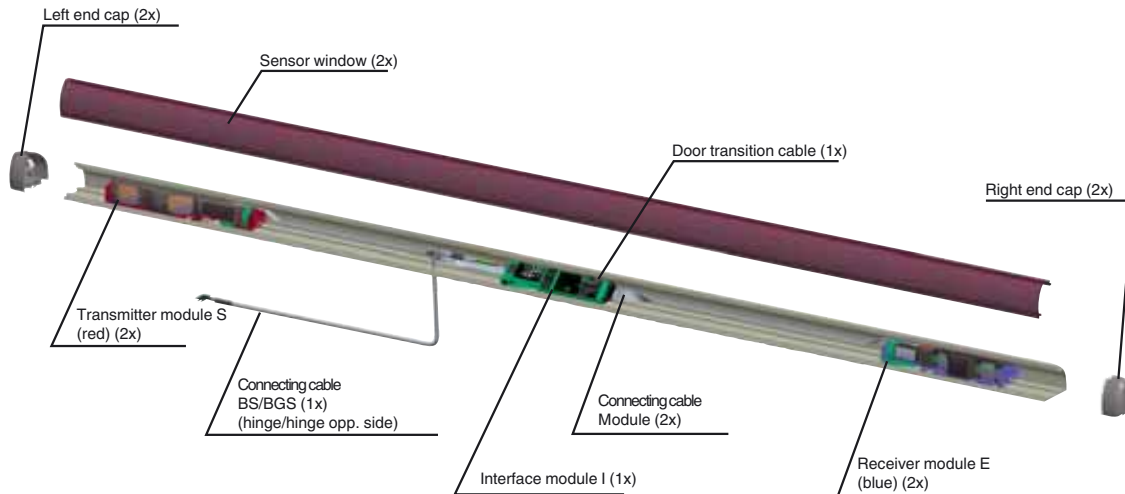
**DoorScan Cable Adapter**

Adapter module for installation in the DoorScan® sensor profile, multifunction interface module

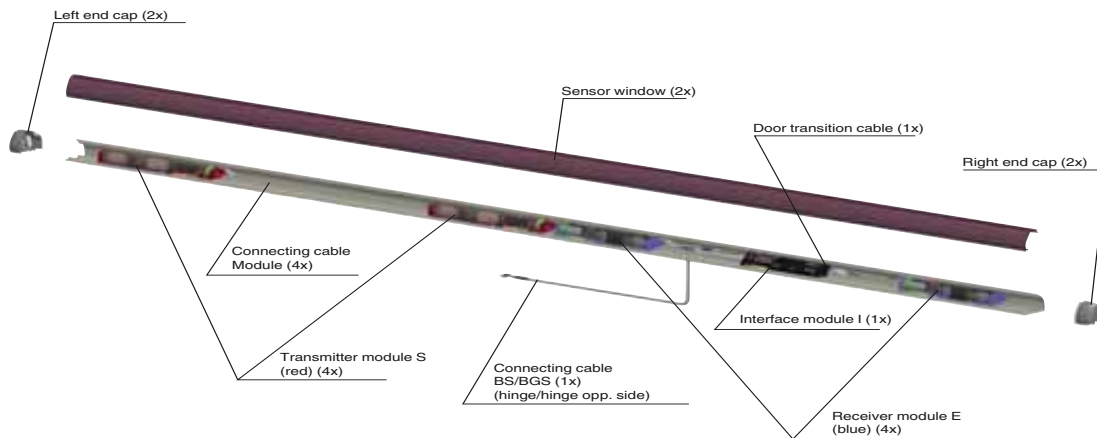
Other suitable accessories can be found at [www.pepperl-fuchs.com](http://www.pepperl-fuchs.com)

**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)**



Release date: 2019-08-26 14:31 Date of issue: 2019-08-26 247286\_eng.xml

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

Pepperl+Fuchs Group  
www.pepperl-fuchs.com

USA: +1 330 486 0001  
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111  
fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091  
fa-info@sg.pepperl-fuchs.com