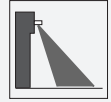




## Sensor module, receiver DoorScan-R

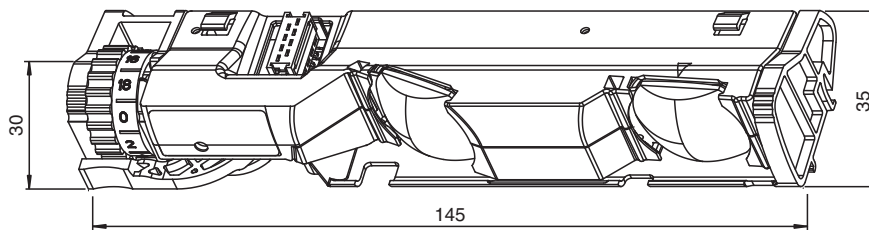


- Sensor module for configurable DoorScan® presence sensor
- Receiver module (R)
- Adjustment options for detection field and angle of inclination
- Tool-free module mounting using snap-in mechanism

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                      | 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

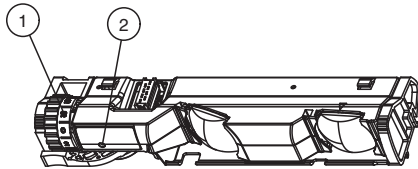
|                    |   |
|--------------------|---|
| Function indicator | Receiver: Red LED: detection, excess gain, fault code |
|--------------------|---|

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## Technical Data




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

## Assembly



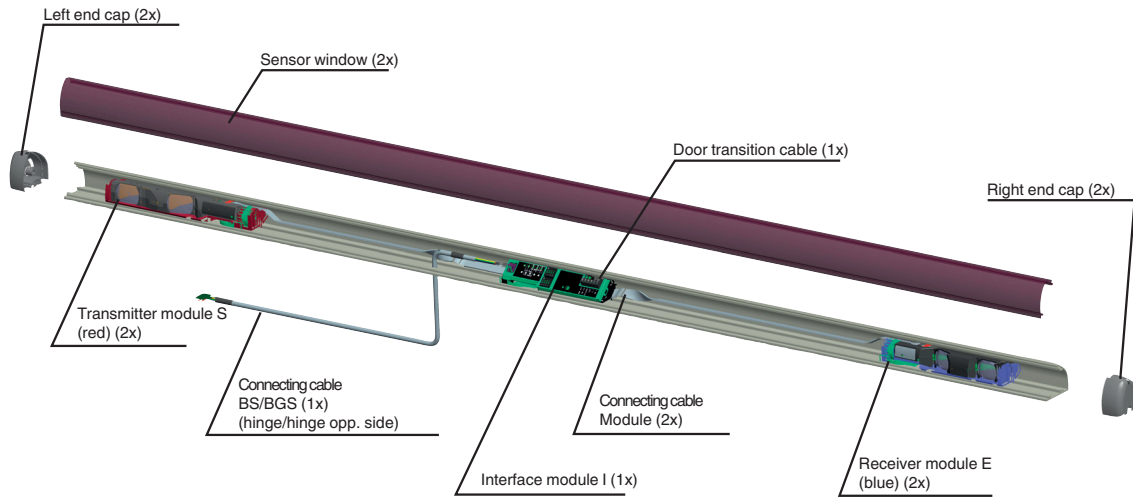
|   |                                |
|---|--------------------------------|
| 1 | Inclination angle adjustment   |
| 2 | Red status LED: light received |

## Accessories

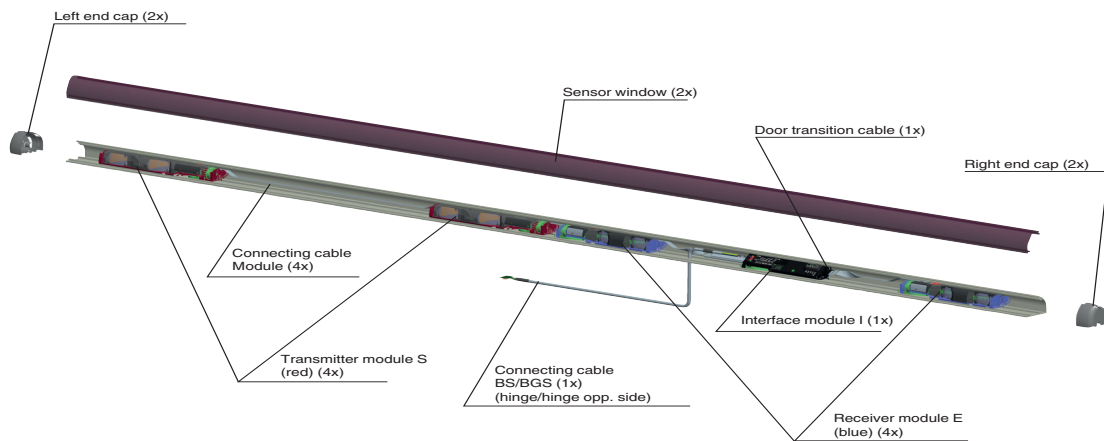
|   |                                     |   |
|---|-------------------------------------|---|
|  | <b>DoorScan Connection Cable 5p</b> | Connecting cable with 5 plug-in connections for DoorScan®-I/-T/-R modules                                   |
|  | <b>DoorScan Adapter</b>             | Adapter module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

**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](http://www.pepperl-fuchs.com)

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