

RS-15

Opening and presence sensor
for interior train doors



APPLICATIONS



TECHNOLOGY

Active Infrared

DESCRIPTION

Sensor with combined functions for internal doors, the **RS-15** is designed to open doors when needed and keep them open in case of presence in the threshold for the passenger comfort and safety. Very flexible detection area thanks to a matrix of 3×5 configurable spots with a typical detection area of $1.2 \text{ m} \times 1 \text{ m}$ at 2.2 m mounting height.

VIDEO

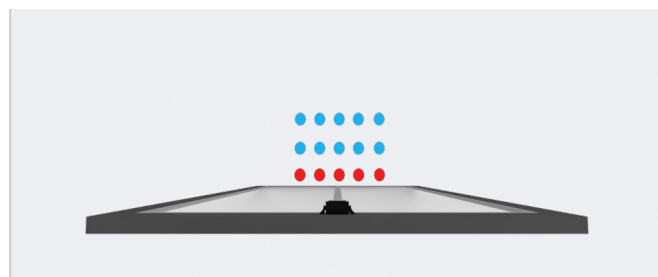


Discover the product video on our youtube channel **BEA Sensors Europe**
<https://bit.ly/2rXyLy5>



Flexible detection area

Based on the 15 available spots, 9 different shapes of detection areas are available as presets to cover different types of platforms, entrance areas, aisles, etc.



Combined functions

Motion and presence detection in one sensor.



Compact design

Compact housing, conceived for every train design with a focus on aesthetics.



Easy installation

Tilt angle accessible even when sensor is recessed and configurable parameters adjustable by remote control.

APPLICATIONS



Entrance area



Passenger compartment



Matrix of 3 x 5 spots

ACCESSORIES



BEA REMOTE CONTROL

Universal remote control for the adjustments of our sensors



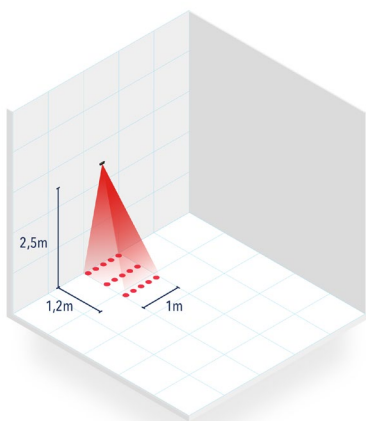
SPOTFINDER

Tool for visualising the exact position of infrared curtains

INSTALLATIONS

- Compact housing.
- Tilt angle accessible even when sensor is recessed.
- Configurable parameters adjustable with a remote control.

TECHNICAL SPECIFICATIONS



Technology	active infrared
Detection mode	opening and presence
Detection zone: (mounting height 2,5 m; tilt angle 20°)	1 m (W) x 1.2 m (D) 15 independent IR-spots with a diameter of typ. 130 mm
Reaction time	< 100 ms
Supply voltage	12V - 30V AC ±10%; 12V - 45V DC ±10%
Mains frequency	50 - 60 Hz
Power consumption	< 3 W (VA)
Output	relay (free of potential change-over contact)
Max. contact voltage	42 V AC - 60 V DC
Max. contact current	1A (resistive)
Max. switching power	30 W (DC) / 42 VA (AC)
Connection on sensor side	unpluggable integrated 7-pin connector
Hold time	0.5 s to 9 s (adjustable)
LED-signal	red and orange
Mounting height	max. 2.5 m (flush-mounting)
Degree of protection	IP41
Temperature range	-25 °C to + 55 °C (operating); -30 °C to + 60 °C (storage)
Dimensions	140 mm (W) x 38 mm (H) x 55 mm (D)
Tilt angles	0° to 20° vertical in steps of 4°
Material	PC
Weight	100 g
Norm conformity (sensor without cable)	EN 50155 (if nominal supply voltage is 24 V) EN 45545-2; NF F16-101; EN 50121-3-2; EN 50581
Norm conformity (cable)	EN 45545-2; EN 50581

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