



Green signal illumination: *SensIQ signal* shows that doors are open or in the process of opening



Red signal illumination: *SensIQ signal* shows that doors are closed or in the process of closing

## LED Signaling System: *SensIQ signal*

Designed for applications according to DIN EN 45545-2 & DIN EN 50155 (trains) and for E1 applications according to ECE-R 118.03 & ECE-R 10.05 (bus)

### Door-closing systems that think ahead Anti-trap door protection for buses and trains

*SensIQ signal* increases passenger safety and comfort by providing a visual indication when vehicle doors are opening or closing.

#### How it works

*SensIQ signal* is an LED-based optical signal indicator that informs passengers about the status of vehicle door operation (e.g. red signal for closing/moving doors or green signal for opening doors).

In combination with other *SensIQ* products (e.g. *SensIQ contact*), it is possible to signal if a closing door is blocked by an object or person.

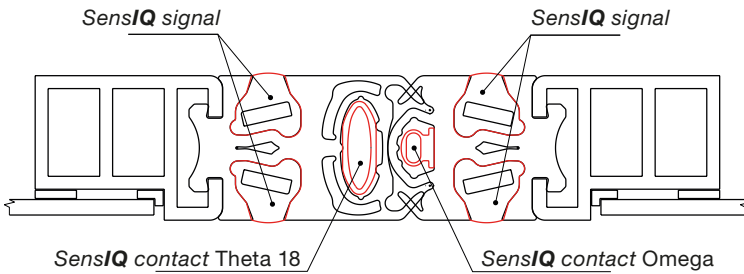
The LED signal strips provide operators with numerous signaling possibilities. They can be programmed and controlled as required. Retrofitting is possible for all types of doors.

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## Possible integrated solution using SensIQ products



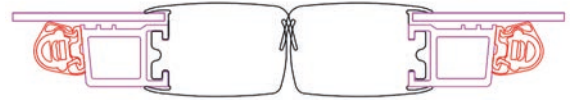
### SensIQ signal IST

Serial production or retrofitting



### SensIQ signal SST or AST

Serial production or retrofitting



## Technical Data

### Dimensions

Length in mm	Standard 1800, other lengths possible
Installation position	Based on position in silicone profile to be used

### LED properties

Light color	RGB
Beam angle	120°

### Mechanical operating conditions

Operating temperature	-25° C to +70° C
Storage temperature	-30° C to +80° C

### Electrical operating conditions

Voltage	24 VDC
Current	1.19 A / 28.5 W
Luminous flux	1120 lm

### Material properties

Silicone	Translucent white	Black
Model	For LED band	For covering

### Testing and certifications

Fire safety (train)	DIN EN 45545-2	Passed
EMV (train)	DIN EN 50155:2017	Passed
Fire safety (bus)	ECE-R 118/03	Passed
EMV (bus)	ECE-R 10/05	Passed

## How to integrate the SensIQ signal system in your door-closing system:

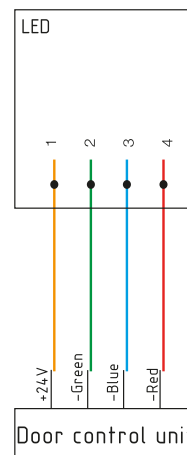
### Installation possibilities of the SensIQ signal system

- Integrated in finger protection profiles
- Retrofitting is possible
- Versions with and without plug

### The integration of the SensIQ signal in a finger protection profile provides the following benefits:

- Signaling takes place directly at the door's leading edge
- Individual signal colors can be programmed according to customer wishes
- Suitable for straight, curved and angled doors
- Optical closing warning
- Guidance of passengers is possible

## Wiring Diagram



Wiring legend		
Number	Color	Function
1	Brown	24V
2	White	Green
3	Blue	Blue
4	Black	Red



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