



SensIQ contact **Safety Contact Edges**

Certified according to ECE-R 118.03*

Made completely out of EPDM. Protection class IP 68 / 69K @60°C

Door-closing systems that think ahead **Anti-trap door protection for buses**

SensIQ contact safety contact edges detect objects or persons caught in power-operated vehicle doors. This is essential safety equipment to protect passengers entering and exiting vehicles.

How it works

SensIQ contact safety contact edges are installed inside of door seal rubber profiles. When a person or object comes in contact with the safety contact edge, a switching impulse is generated that causes the door to remain open or to reverse when in the process of closing.

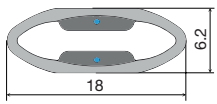
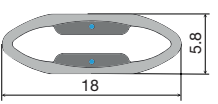
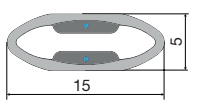
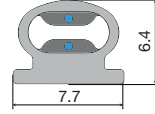
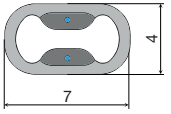
* Types: *SensIQ contact Theta* and *SensIQ contact Omega*

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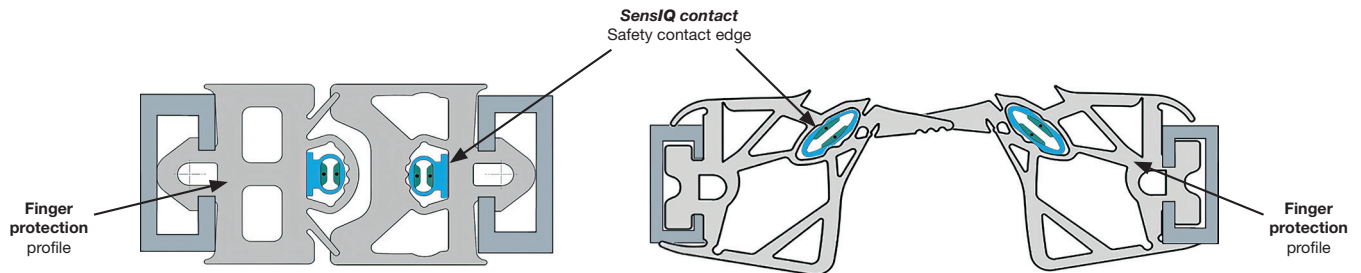
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Available Types

Types					
	<i>SensIQ contact Theta 18x6.2</i>	<i>SensIQ contact Theta 18x5.8</i>	<i>SensIQ contact Theta 15</i>	<i>SensIQ contact Omega</i>	<i>SensIQ contact Mykron</i>
Dimensions [mm]	18 x 6.2	18 x 5.8	15 x 5	7.7 x 6.4	7 x 4

Application Examples



Customer benefits

- *SensIQ contact* safety edges for maintenance-free, self-monitoring door safety systems
- Highly sensitive pinch detection with low trigger forces and short contact distances
- Field-proven product from a major manufacturer with decades of experience
- A halogen-free solution with flush-end molds for space-saving design
- EPDM construction provides great material compatibility
- Can be used in most standard tactile anti-trap protection profiles used in public transport
- Highest fire protection rating: UN ECE-R 118/03*
- Compliance with UN ECE-R 107 in combination with a tuned door system
- Reliable operation in the full temperature range from -25°C to 80°C
- Suitable for the installation on straight, curved and angled doors
- Available in lengths from 600 mm to 10.000 mm
- Tested to withstand more than 1 million switch cycles
- Water resistance protection class: IP 68 / 69K_{@60°C}
- Available end resistors: 1.2kΩ, 8.2kΩ, 2.2kΩ, no terminating resistor, others per request

* Types: *SensIQ contact Theta* and *SensIQ contact Omega*

Contact us for more information:

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LED Signaling System: *SensIQ* signal

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

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), doors blocked by an object or person can be indicated.

The LED-based light source provides operators with numerous signaling possibilities. Colors can be adjusted as required. Retrofitting is possible for all types of doors.



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Passenger guidance and illumination examples

Green light:	Shows position of doors to passengers	Please enter
Red flashing light:	Indicates closing doors	Do not enter
Red constant light:	Indicates that doors are closed	Do not enter
Yellow flashing lights:	Indicates passenger congestion in the entrance area	Doors can't close
While doors are not active:	Illumination can feature light accents in your company's colors	

Customer benefits

- Light-assisted passenger guidance to improve passenger flow and to reduce downtimes
- Visual door closing warning reduces the risk of accidents
- Door closing status indication on the leading edge
- Colors can be adjusted individually towards the inside and outside
- Various lengths are available to cover the full length of the leading edge
- Retrofitting of any door is possible
- Full RGB Spectrum LEDs allow adjustment for any color
- Suitable for straight, curved and angled doors

Current version

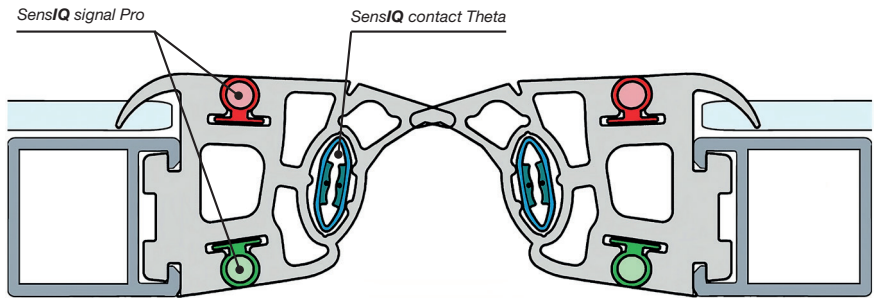
SensIQ signal Core: Light source based on LED strips
This is our tried-and-tested, high-luminosity system.

New version

HÜBNER will be expanding its portfolio to include the *SensIQ signal Pro* version.
The new *SensIQ signal Pro* variant will provide a variety of improvements:

- **Enhanced Illumination:** Uniform lighting for a premium look
- **Easy Handling:** Simplified installation & maintenance
- **Service-friendly Design:** Central light source
- **Increased Reliability:** Anti-vandalism protection

Assembly examples



Applicable for all door types, series and retrofitting



Customized elastomer product solutions

Customized Elastomer Solutions for High-Demand Applications in the Bus Sector

The HÜBNER Group has more than 70 years of experience in the development of customized elastomer product solutions to meet the most demanding requirements. As a leading supplier, HÜBNER also offers silicone seals for local transport applications. These rubber and silicone products provide protection, damping, sealing and insulation – from miniature precision parts to large heavy-duty seals.

Material development and simulation:

- HÜBNER has its own in-house material development department
- Over 400 different elastomer formulations are in use
- A wide range of both classic and special elastomers
- Specially designed to meet the specific requirements of the bus sector
- All products comply with national and international fire resistance and safety standards
- Formulations can be adapted to specific needs
- Offering high chemical and temperature resistance
- Fulfilling the highest mechanical and fire safety requirements



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Elastomer profiles and frames:

- HÜBNER produces elastomer profiles with a wide range of features:
 - Cut-outs
 - Form-vulcanized corners
 - Pre-heated radii
- Profiles designed to fit different shapes and sizes of bus vehicles
- Rubber frames with injection-molded corners
- Connection of hollow chamber profiles and profiles of different cross-sections
- Highest mechanical resistance thanks to superior manufacturing

Contact us for more information:

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