



SensIQ sonic

A new level of passenger safety
with **ultrasonic sensor technology**

AN INNOVATIVE NEW DEVELOPMENT FROM HÜBNER

Ultrasonic sensor technology is the functional basis for SensIQ sonic – a new generation in door safety and anti-trap protection systems in public transport vehicles.

Ultrasonic technology delivers significant advantages over conventional pneumatic systems in function-monitored sensor systems for the seals of closing doors. *SensIQ sonic* is maintenance-free, functions even in the event of small fissures in the door profile, will raise passenger safety to a new level and result in reduced vehicle downtimes.

An overview of *SensIQ sonic* benefits:

- Consistent sensitivity throughout the whole product life cycle
- Unaffected by chemical and physical influences for the whole product life cycle
- Minimal installation effort (plug and play)
- Maintenance-free and self-monitoring
- Consistent functional performance even with large temperature fluctuations (-40°C to +80°C)
- Similar function and sensitivity to pneumatic pressure wave switches and electrical safety edges
- Planned compatibility with standard control devices:
 - Electrical safety edges
 - Pneumatic pressure wave
 - Operating voltage 12V/24V vehicle electrical system
- Self-calibrating
- Compatible with all common elastomers
- Logging and readout of triggering times possible with circular buffer
- Standards for functional safety according to DIN ISO 26262 (Automotive) and DIN ISO 5012X (Rail)

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