



Door-closing systems that think ahead

HÜBNER launches the *SensIQ* product family for door sealing systems

Together with its group company Gummi-Welz GmbH & Co. KG (GWU), HÜBNER has enhanced its product portfolio in the field of elastomer seals for buses and trains. In addition to further developments in material quality and optimization of profile cross-sections, the production processes have now been adapted so that the new *SensIQ* product family can be used for a wide variety of protective profiles – with the same high quality for all applications.

"SensIQ contact is a central component of the new product family," explains Christoph Heuser, Head of the HÜBNER Business Unit Material Solutions Rail & Bus. The safety edge can be integrated into finger protection profiles in vehicle doors. When a person or object comes in contact with the safety contact strip, a switching pulse is generated that causes the door to remain open. The protective profile also provides anti-trap detection even when doors have closed. If a person or object has become caught, the door opens again automatically. *"This gives optimum protection for people in the boarding area of buses and trains,"* says Heuser.

Another advantage of *SensIQ contact* is its easy installation. Flush end moldings in the profiles allow for quick installation and a tighter, more sensitive design for the switching chambers, which makes the product as a whole especially responsive.

SensIQ contact is made using EPDM rubber. *"This gives it a high level of environmental resistance and there is an optimal balance between the EPDM and silicone rubber in the profiles,"* points out Martin Breuniger, HÜBNER Business Development Rail & Bus. *"At the same time, the product also fulfills the strict fire safety standards EN 45545-2, HL2/HL3 for rail applications as well as the UN-ECE R118 standard for street use."*



Additional *SensIQ* contact benefits

- At high switching angles, switching forces and paths are nevertheless reduced.
- Rated at more than 1 million switching cycles, the system has great durability, a key characteristic which is confirmed by ongoing climatic chamber and switching cycle testing.
- *SensIQ* contact is available in a wide variety of sensor and cable lengths with drag line-compatible cables and pre-assembled plugs.
- The sensors are entirely halogen-free.

Other models of the *SensIQ* product family are available with warning signals or with touchless anti-trap protection.

The HÜBNER Group

Mobility. Materials. Photonics. | united by passion.

As a global system supplier for the mobility industry, for manufacturing and for life sciences and research applications, the HÜBNER Group is the worldwide leader in gangway systems for buses and railway vehicles (**Mobility**), a well-recognized specialist for sophisticated elastomer solutions and products, insulation and composite materials (**Material Solutions**), as well as a supplier for applications in the field of laser, terahertz and high frequency technologies (**Photonics**). The HÜBNER Group employs more than 3,500 persons worldwide. In addition to the headquarters in Kassel, Germany, HÜBNER has established more than 30 locations around the world over the preceding years.

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