

**InnoTrans 2016****Getting on and off buses and trains safely**

***Lindenberg/Ulm, 28 July 2016 – From 20 to 23 September, Mayser is presenting at the leading international trade fair for transport technology – InnoTrans – in Berlin. The focus will be on safety systems for vehicle doors on buses and rail vehicles. Whether Non-Touch Detection Systems or tactile sensors, the safety technology expert is presenting solutions that enable passengers to get on and off safely.***

**Non-touch safety**

With the innovative Non-Touch Detection System, Mayser offers a non-touch obstacle detection system for bus and train doors on the basis of a capacitive sensor. If a passenger approaches the active zone of the sensor, its electrical field changes. As a result, the movement of the door is stopped by a signal to the door control before the door can touch the passenger. This prevents any possible risk of falling.

Another advantage of the system is the high availability for passenger services. Whereas the detection field of light curtains or scanners covers the complete entrance area, the Non-Touch Detection System only reacts to movements in the immediate critical area of the sensor along the main closing edge, i.e. only if there is an imminent risk of becoming trapped or hit. Neither rain nor snow, neither leaves that blow into the vehicle nor bags placed in the way can influence the

reliable function of the Non-Touch Detection System. This prevents incorrect evaluations and thus delays in the cycle times.

## **Innovative convenience button**

Mayser is also presenting a capacitive button as a prototype. With its help, passengers will be able to open bus or train doors in a non-touch way in future. It couldn't be simpler: briefly hold a hand in front of the button and the door opens. This convenience function is a hygienic, but also convenient solution for passengers. It makes it easier to open the door, as a passenger with their hands full only has to hold the back of their hand or their arm in front of the button.

## **Proven safety**

At Mayser, know-how is not a matter of chance. The company has been developing and producing safety systems for bus and train doors for over 30 years. The proven and certified tactile sensors from Mayser, such as electric Safety Edges for door edges, react to touch or load and thus minimise the risk of accidents and injuries involving power-operated vehicle doors. They meet the requirements of DIN EN 14752 and VDV 111, and are also fire-resistant in accordance with DIN EN 45545-2. This makes the sensors especially safe.

*Characters: 2,546*

### **About Mayser**

Mayser is an international Company Group currently operating at five locations in Europe and the USA. The company develops and produces innovative, high-quality products, systems and solutions in the areas of Safety Technology, Foam Technology and Moulding as well as Headwear. The origin of the company goes all the way back to the year 1800, where everything started with the hat. Today Mayser has 800 employees and an excellent reputation in safety and foam technology in many industries, including automotive, mechanical engineering or local public transport.

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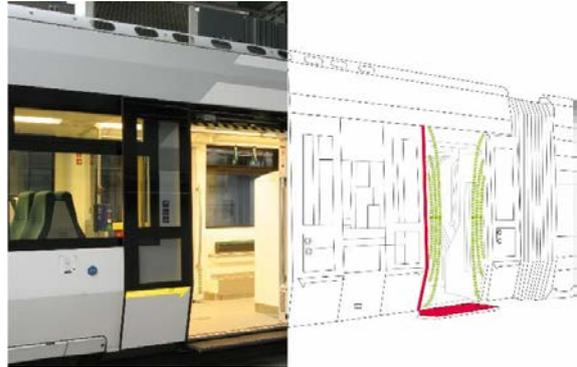
## Image material

### Image 1



With the innovative Non-Touch Detection System, Mayser offers non-touch obstacle detection for bus and train doors.

### Image 2



The Non-Touch Detection System only reacts to movements in the immediate critical area of the sensor, along the main closing edge.