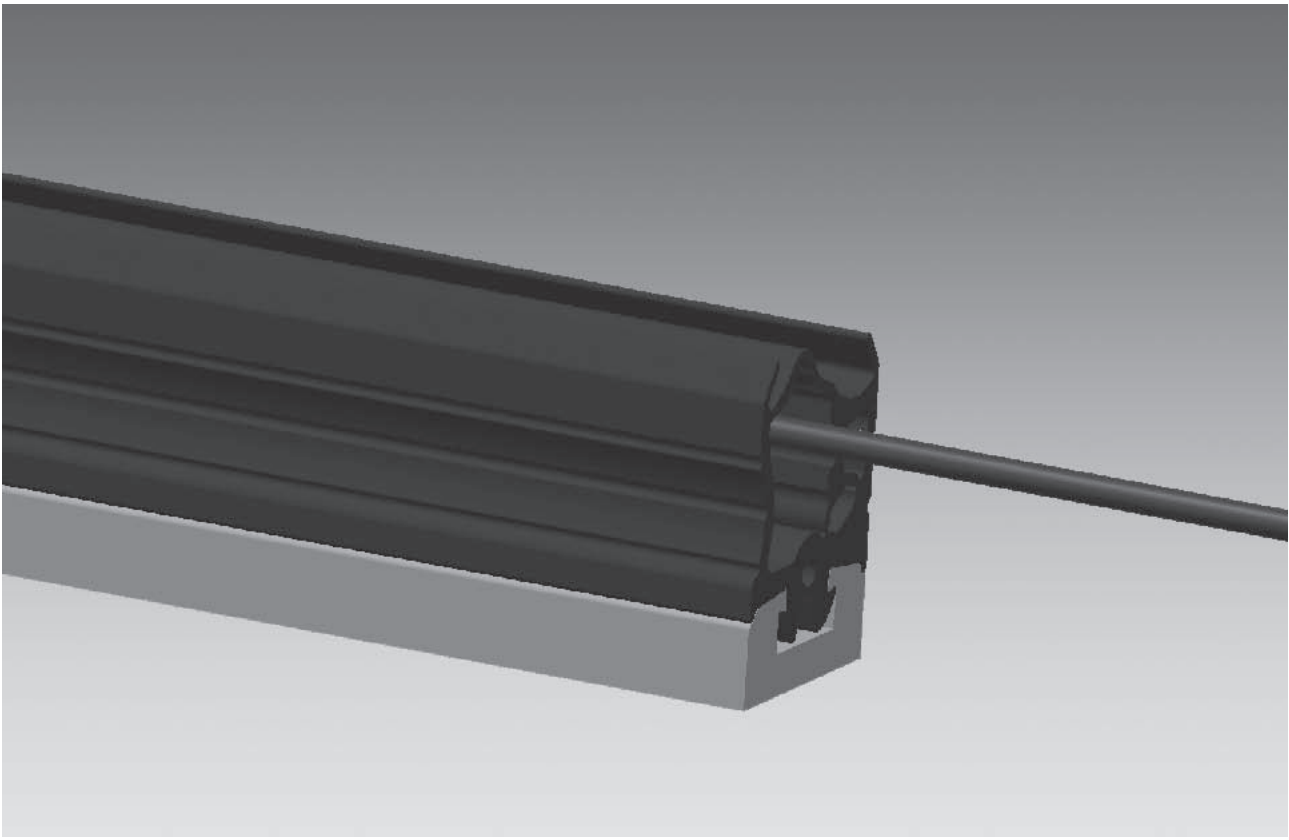




Product information



Capacitive system for buses & trains

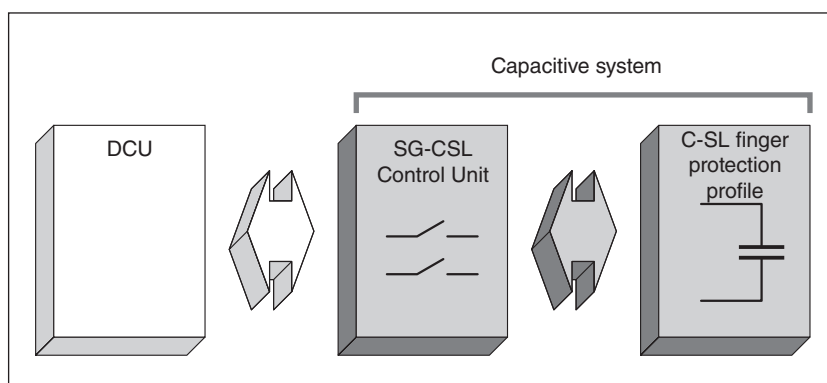
MAYSER® GmbH & Co. KG
Polymer Electric
Örlinger Straße 1–3
89073 Ulm
GERMANY
Tel.: +49 731 2061-0
Fax: +49 731 2061-222
E-mail: info.ulm@mayser.com
Internet: www.mayser-sicherheitstechnik.de

Area of application

The capacitive system, also called non-touch detection, is the ideal supplement to drag detection per VDV 111 on automatically controlled doors of bus and train doors. It serves as a predictive impact protection device, a convenience function directly integrated on the main closing edge. It works on a completely „non-contact“ basis.

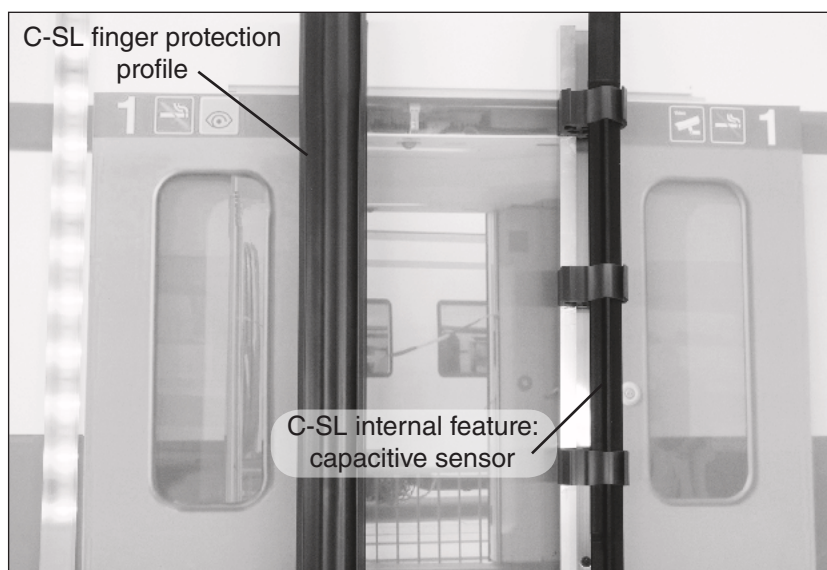
The principle

If an object approaches the C-SL finger protection profile, its capacity changes. In this way, the system recognises a passenger long before



he can be jolted by the door panel. The control unit evaluates this information and transmits it to the door control system.

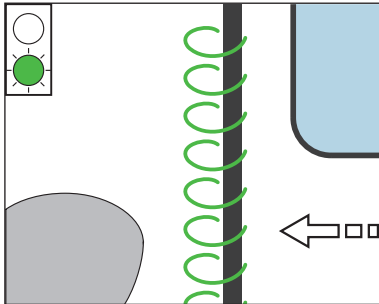
System setup



Subject to technical modifications.

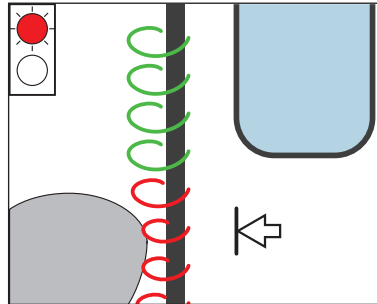
Operation

The C-SL finger protection profile is constantly surrounded by a defined capacitive field. If an object enters, the field changes. The system detects this change in capacitance and causes the door control system to stop or even reverse the door movement.



Object outside

the capacitive detection field:
Green signal sent to the door control system, door operation continues.



Object inside

the capacitive detection field:
Red signal sent to the door control system, door operation is stopped or reversed.

To prevent incorrect evaluations that lead to delays in cycle times, the door surroundings are captured by the capacitive system (teach in function) during commissioning. Safety first.

Examples

Here are two typical examples from the large range of options:



Trains: plug sliding door



Buses: inward swinging door

At a glance

- Reliably protects passengers from being jolted or knocked over
- Additional convenience function along with drag detection (VDV 111)
- Non-touch detection directly on the main closing edge
- Unsusceptible to water, dust, extraneous light, leaves and snowfall
- Insignificant effect on cycle times
- Integrated in the door system



Subject to technical modifications.