



Sensors for pedestrian doors/  
Sensors for swing doors (safety)

# SOLIDSENSE

NEW

Safety sensor for swing doors  
with reliable closing edge protection

INFRARED  
Technology



SolidSense right

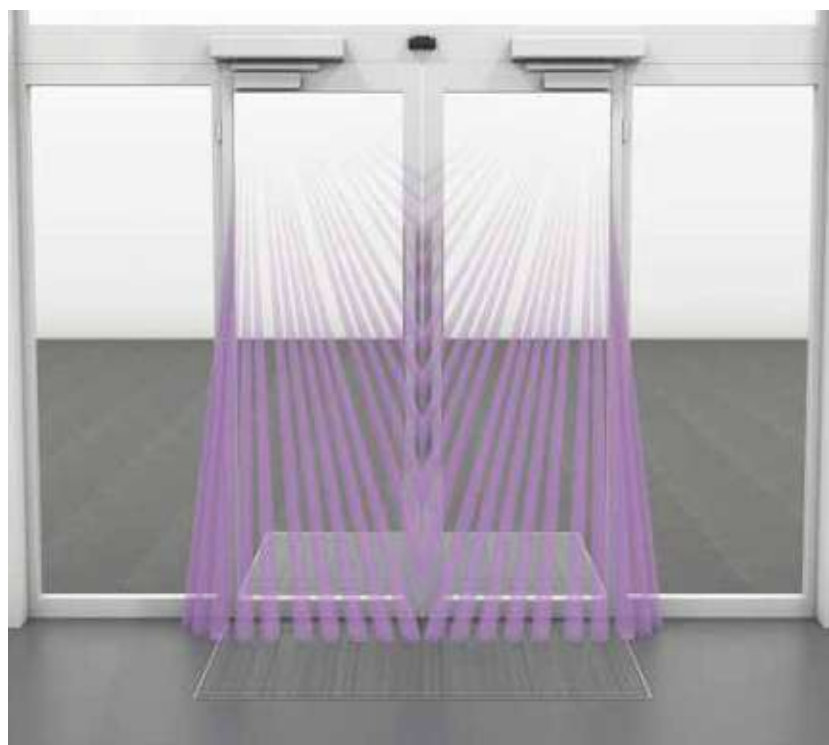


SolidSense left

**SOLIDSENSE** is a sensor that reliably protects people from injury. It combines maximum safety for automatic doors in demanding situations in accordance with EN16005 with perfect architectural integration into modern access solutions, meeting requirements for accessibility and comfort while also simplifying mounting and commissioning for installers.

SolidSense improves the doors' safety by covering the entire panel, closing sides included, and reducing the risk of crushing, cuts and hits, especially for children and the elderly.

SolidSense is smooth and silent in any context, as it's not influenced by the floor's surface, ambient light or reflections.



## Sensors for pedestrian doors/ Sensors for swing doors (safety)



### Best anti-trap protection available

Unlike other sensor solutions, the curved beam path around the secondary closing edge optimally protects the space between door frame and door hinge from unintentional contact.

### Intuitive & easy setup with SolidSense

Automatic swing doors are individually tailored to the needs of your building. The design, material and size of the door as well as safety requirements and the required adaptability to changes in the environment are taken into account.

SolidSense simplifies work for installers significantly: With gesture control, the detection area can be adapted to the respective door width quickly and easily, also thanks to flexible mounting positions. The door handles do not require any special considerations. Plus, there are no dead zones.



### Dynamic adjustment to changing environments

To prevent possible contact between the door and people, sensors must continuously monitor the environment. The challenge is that nearby objects such as parts of the building, walls or moving objects such as plants or furniture must not obstruct door opening or be touched by the door itself.

Automatic fading of the background behind the door ensures smooth operation. When the door is opened, the individual beams of the protected field are faded out one after the other until the maximum door opening angle is reached. Changes behind the door are ignored.

- **Technology:** Solid-state scanner with time-of-flight technology
- **Supply Voltage:** 24 VDC  $\pm 20\%$
- **No-load current:** max. 200 mA per sensor
- **Response time:**
  - $\leq 50$  ms with mounting height  $\leq 2500$  mm
  - $\leq 80$  ms with mounting height  $> 2500$  mm
- **Signal output:** Semiconductor relay, short-circuit-proof max. 30 V DC, max. 60 mA
- **Housing material:** polycarbonate (PC)
- **Installation height: 1,8÷3,0 m**
- **Connection type:** 2.5 m cable, 8-core
- **Degree of Protection:** IP65
- **Light transmitter:** IRED 850 nm
- **Operating temperature:** -30 °C, +60 °C
- **Ambient humidity:** max. 95% relative, non-condensing
- **Dimensions:** 61 x 255 x 38,7 mm (L x H x P)
- **Conformity:** RED2014/53/EU; RoHS2011/65/EU; MD2006/42/EC; EN 16005; DIN 18650; EN 12978; ISO 13849-1; EN 61508 1-4

**APE - 791 / 481221**



**SOLIDSENSE**  
sensor set  
right + left