

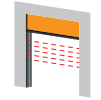
Additional Safety Options For Machine Protection Doors

ASSA ABLOY
Entrance Systems

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Multibeam light barrier



In comparison to a photoelectric barrier a multibeam light barrier covers a substantially larger area in front of the door closing level. The multibeam light barriers consist of two components - a beam transmitter and receiver. If there is an object in the area covered, i.e. if at least one of the beams is dimmed, the output of the receiver interrupts a hazardous movement of the door, and/or prevents door actuation.

With the modular construction, protection coverage of heights of 930, 1.890 and 2.370 mm can be obtained. The range of the beam is approx. 12 m.

Modular
height



Laserscanner



The laser scanner safeguards the danger zone in front of the door. The precision of this technology makes a detection of small objects in an area of 10 m x 10m possible. The dynamic orientation of laser rays on 4 different detection levels enables you to monitor up to 1m (in relation to the height of the installation) in front of the door. Additionally it is possible to implement 2 virtual push buttons to open the door. The laser scanner offers a first-class alternative in cases where an increased level of protection on the door is required and ordinary sensors come to their limits.



LED light strips



The LED light strips with a length of 300 mm are an additional safety feature which visually indicate the door closure and therefore protect against collision. The installation is either carried out on the two sideframes in the closing line, visual from both sides of the door, or on external plates next to the door. The external plates can be easily added to existing door appliances. Depending on the door type and the control unit the light strips shine or respectively flash red or green.

Installation on
the sideframe

Installation on external
plate next to the door



Bottom profile in a flat design



The profile delivers safety beyond current norms especially in confined work areas. In some work areas close contact interaction of worker and doors can occur. The flush surface with no protruding edges offers little contact area, therefore reducing the risk of serious injuries during the upward movement of the door.



Version A

Flat side of the profile faces
front side of the door

Version B

Flat side of the profile faces
backside of the door