



Safety devices and Accessories



Touch-CMM

Sensitive safety edges

Sensitive safety edges are accident prevention devices, essential for eliminating the risk of crushing or shearing, yet at the same time guaranteeing personal security.

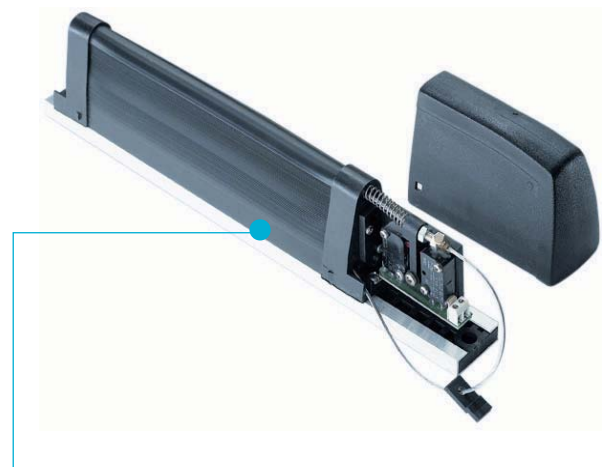
All the TOUCH sensitive edges in the V2 range fully comply with European standards EN 12453 chapter 5.5 section 5.5.1, EN 13241-1 and EN 12978, meeting the most stringent criteria for safety and reliability over time.

With their comprehensive and diverse range, V2 offer the optimal solution for all fields of use, offering mechanical, resistive and optical sensitive edges.

Mechanical sensitive safety edges

These use a rigid metal wire as the sensitive element inside a rubber body. The device is activated by exerting pressure on the edge. The signal, once detected and intercepted by the control unit, is transduced into the motion block.

The mechanical sensitive edges are pre-assembled on aluminium strips and are available in various lengths:



Touch-CMM
Mechanical sensitive safety edges



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Feel

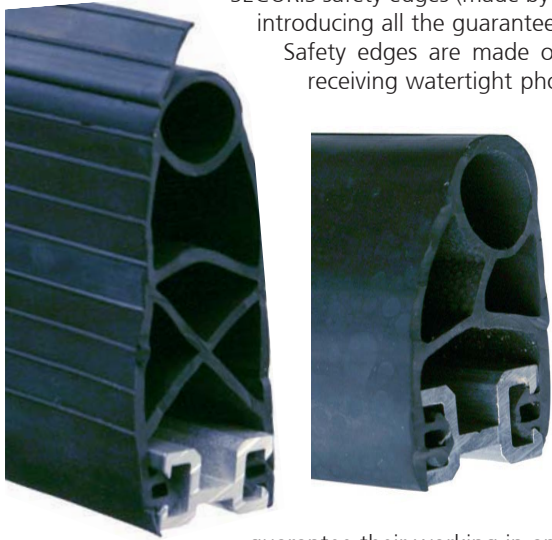
Automatic and semi-automatic doors have to be equipped with a safety edge or a stress sensor and comply with the rule EN12453 chapter 5.5 paragraph 5.5.1 in order to guarantee the safety of persons.

SECURIS safety edges (made by AFCA) have been changed to comply to the rules EN 13241-1, EN 12453 and EN 12978, introducing all the guarantees of reliability through time.

Safety edges are made of EPDM rubber (resistant to temperature: -50°/+150°) and a system of transmitting/receiving watertight photocells, very small and coming from industrial application, already tested in very hostile surroundings, such as washing plants.

Their working is very easy:

When the rubber is warped by an external body, the ray of the cells is interrupted. The information is sent to a positive safety box with input for the automatic control of the working.



Unrivalled Performance

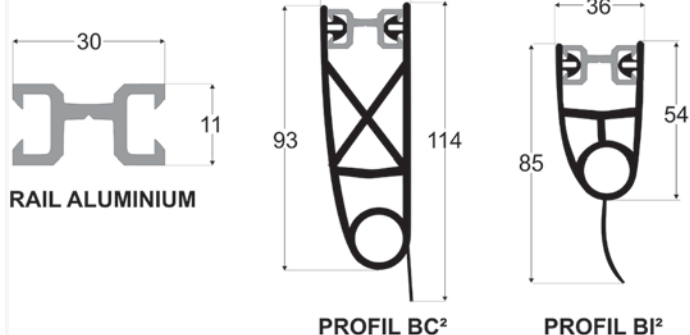
AFCA safety edges offer unrivalled performances:

- Compressibility of the edge through all its length (photocells included) more than 1 cm (BC2) without detecting. It allows to use them on shutters and dividing doors
- Water tightness: the photocells incorporated in the IP68 resin, the infrared ray technology (emission through fluids) and the absence of power supply in the rubber

guarantee their working in any situation, even with seepage of water

- Foldability: even folded, the safety edge works thanks to a powerful infrared beam (through fluids) and to the reflexion inside the section bar
- Quickness in installation: the rubber section bar is "seamable" and allows a quick laying even between walls. The passage of the cable of the photocell is easier.
- Simplicity of assembly: the above mentioned characteristics do not require screwing, gluing or sealing with silicone. The photocells are put into the section bar, connected with the amplifier. The safety edge will work for many years
- Thanks to its removable packing (BI2), the bar can be used either in horizontal (doors) or vertical position (shutters). In order to keep the harmony of the door, the packing can be removed
- Reliability: the photocells coming from robotics are conceived to work in hostile surroundings. PE12 photocells are protected against short-circuit

Dimensions



Charateristics

WATERTIGHT PHOTOCELLS

- Transmitters/receivers
- Range: 10m
- Output NPN
- Positive safety interface with auto-test
- Lights of alignment and voltage
- Measurable sensitivity

ALUMINIUM RAIL

- Rubber assembly by seaming

CABLE GLAND MASK

- not avoiding compression

SIMPLIFIED RANGE

- 1 rail type (aluminium X)
- 2 bars (BC2, BI2)
- 1 kit photocells for safety edges from 1 to 10 m

allow you to carry out any installation

Charateristics Of The Photocells

Emission		transmitter/receiver modulate infrared
Distance of detection inside the bar	m	15 (photocells PE12)
Working temperature	°C	-25/+80
Protection	ip	68
Composition		polycarbonate