

## BLOCKSHUTTER EI120

Fireproof rolling shutter **BLOCKSHUTTER EI120** is a system that guarantee integrity and thermic insulation tested for 120 minutes.

**BLOCKSHUTTER EI120** is composed of galvanized steel elements, 110 mm height and 50 mm thick. The door leaf has a weight of 42kg/mq; the elements are securely hooked together and fastened on the side with steel end locks in order to prevent slipping and guarantee the uniform elements descent.

A robust U profile with a thermo expanding gasket applied, complete the bottom element. The slats are infilled with three layers of highly performing silicate material that guarantee, after two hours of fire exposition in according to the fire test procedure reported on EN 1634-1, a detected average temperature not higher than 90°C on the opposite side of fire, resulting in a class T5 in according with CEI 31-35 (Tab. 5.5-A)

The **lateral side guides** are made of galvanized steel, have dimensions of 120 x 122 mm, and must be installed 80 mm from the clear width edge (valid within a rolling shutter's width of 6,00 mt)

The side guides are divided into two parts, the first to be fixed to the masonry and the second, filled with insulated silicate at least 20 mm thick to ensure thermal insulation, with thermo-expanding sealing gaskets.

The **support system** consist of two sturdy steel brackets to which is inserted a support shaft of 323 mm diameter on which the rolling shutter is rolled. A pression tube is positioned on the internal side, in the external side instead, there is a tubolar with thermo expanding gaskets to seal and contain the flames.

The frontal protection consist in a labyrinth system that joint the frontal tubolar to the door leaf.

**BLOCKSHUTTER EI120** is normally supply with a 400V three phase chain wheel drive – IP54 with Gravity fail safe sistem, that guarantee a controlled speed decent, even in case of power failure.

It is mandatory for the Gravity fail safe sistem, to install an acustic and visual signal in accordig with EN 12604.

A back up battery is integrated in the control panel and in case of power failure, assure continuity of the power supply to the magnetic brake to avoid an unespected leaf's descent.

The control panel is arranged for connection to the fire alarm and smoke or temperature detection system.

An built-in keyboard with up/down/stop inputs is provided.

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The present information may be modify/correct/ integrate by the manufacturer in according with the effective regulamentation, without advance notice

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A 400 V three-phase drive with manual chain operation can be supplied as an alternative, with this motor type is mandatory to have an UPS (borne to the Customer) for the opening manouvre when the alarm activation occur.

The **control panel** (without back up battery) is arranged for connection to the fire alarm, smoke or temperature detection system.

An built-in keyboard with up/down/stop inputs is provided.

**Front wall fixation** on the wall with threaded rods da Ø12, 450 Kg/m<sup>3</sup> minimum wall density allow, 200 mm thickness.

**On request:** automatic operation, casing and Ral coating.

**BLOCKSHUTTER EI120** is certified **WIND LOAD class 2**

In according to EN 13241-1.

**BLOCKSHUTTER EI120** is **CE MARKED**

In according to **EN 16034:2014, EN 13241:2016**

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