FIRE RESISTANT STEEL DOOR

MFD004 FIRE RESISTANT STEEL DOOR FG, E60, TWO-SIDED

Versioon 07

Recommended use

Used as door between fire stop sections in industrial buildings, dwellings and office buildings, where fire resistance class of door must be E60.

Dimensions

The maximum dimensions of the door frame, mm: **2320 x 2430**
The BA dimensions of the active door sheet, mm: **1160**

Certificate of conformity

The door has been tested in accordance with the provisions of test standard EVS-EN 1634-1:2002 in a testing laboratory of TÜV NORD Baltik OÜ in Tallinn, and certified in accordance with the provisions of standard EVS-EN 13501-2:2004 by a certification bureau EstCert OÜ. The door holds a certificate no 165-065/08 with fire resistance grade E60.

Construction

The door sheet consists of an active part and a passive part. The passive part is fixed with girth rails to the side of the plat band and the top side of the door sash. The door is manufactured of cold rolled sheet steel with stamping, edging and welding. The hinges are 2 joint sheet hinges with a ball bearing for door leaf. Diameter of hinge axis is 14 mm. Two safety joint-pins 12 mm in diameter are placed between the hinges.
Door sheet is 64 mm thick. Jacket edges are at sides and top. External and internal side are made of 1,00 mm thick sheet steel. Tin sheets of the door sheet are on jointed with a welding seam. Inside the door sheet, there is isolation material in the form of fire-proof stone wool and mineral plate.
Sash is made of 1,5 mm profiles of cold rolled sheet steel, connected in sash corners with welds. Insulation is rock wool.
Sash can be ordered with cover slat covering lateral installation slots (type MM) or solution without cover slat, for installation deeper than wall surface (type MS). A gluey sealing of elastic rubber with P-profile and a dilative sealing 2x20 mm are fixed to the sash.
The door sill is made of hot-zinced or painted sheet steel.

Finish

Doors are painted with polyester powder paint of the more conventional tones. Standard tones are white RAL9010 (pure white), RAL7001 (silver gray), RAL8014 (sepia brown), RAL9007 (grey aluminum), RAL7024 (graphite grey), RAL9006 (white aluminum). The additional possibility is to have the door painted with bi-component polyurethane paint and epoxide priming paint in all the tones of RAL catalogue.

Locking

Usage locks of well-known lock manufacturers Abloy, Boda, Assa, and Nemef. Locks certified as fire locks can be installed to the door.

Installation

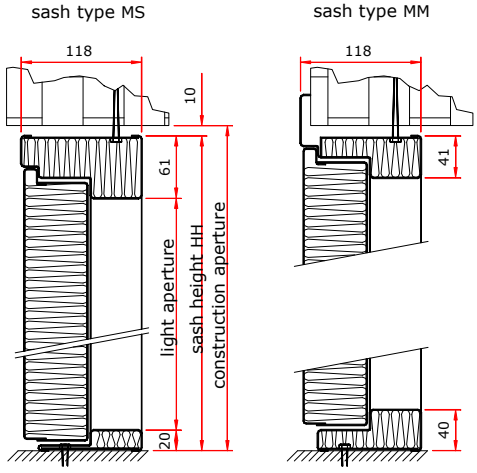
Sash is fixed in seven points with connectors and hexagonal screws 8 x 100 mm. Connector aperture diameter is 10,5 mm. Fixing apertures are covered with plastic plugs with diameter 19 mm. The plat band is secured with a male screw 6,3 x 60 mm in the middle.
After fixing the installation, the door sash and the installation clearance are filled with stone wool or construction foam and are covered with a protective cleat of sheet metal of the same color as the door sash.
Package includes fixing screws, connectors and plugs. For more details see installation manual.

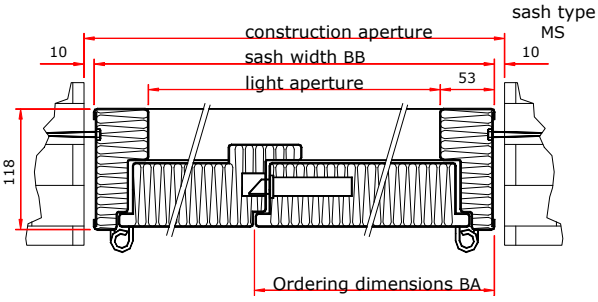
Accessories

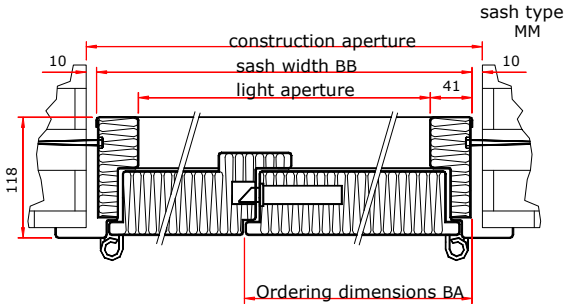
The door can be improved and completed with following accessories:
- stainless steel threshold, border slats, eyehole, security chain, door catch, foot sheet, core, core covers, door handle, lock casing, stainless steel hinges with ball bearing;
- Window, the maximum dimension of the lighting opening 570 x 530 mm, minimum distance from the edge of the door sheet is 230 mm, may take up to 25% of the surface area.
Catch with non-detachable arm must be installed to the door located in evacuation path. Catch Abloy DC405BC can be used.

Maintenance

Door must be checked and maintained at least in every six months. Check closing of door and operation of locking elements.
Detailed information is available in maintenance manual.
It is possible to sign a maintenance contract upon purchasing the door.







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