Somati
system s.r.o.

OGS SECTIONAL FIRE DOOR

Trouble-free service and convenience

Overhead steel doors are custom-made according to the customer's dimensional requirements. They are tested according to European standards (ČSN EN) and can be supplied in various versions.

The individual sections of the gate are connected by steel hinges. Moreover, the connections between sections, doorjamb and lintels are lined with an intumescent material which, in the case of fire, fills in the seams. High-quality steel bearing rollers ensure easy, maintenance-free operation of the fire door leaf.

TYPES OF OVERHEAD STEEL DOORS

Sectional – **EI 30 to EI 60 DP1-C2, EW 30 to 90 DP1-C2**

- the fire door is composed of individual horizontal sections, each with a height of 400 to 700 mm
- advantage of maintaining a low lintel (750 mm) while keeping a high fire resistance of the gate
- each section is manufactured from thin-walled steel profiles and are covered with fire-resistant boards and zinc-plated sheets
- the individual sections of the door leaf are connected by steel hinges to form a single compact door leaf
- gates can be manufactured in the following versions:
  - **reduced** (lintel 750 mm)
  - **standard** (lintel 900 mm)
  - **enhanced** (for higher lintels)
  - **vertical** (full vertical movement)
- control only by motor
- sectional fire door can be produced only up to the maximum opening area 16 m^2

Hinged leaf

- optional installation into the sectional gate of a transit hinged leaf door with a reduced threshold of 30 mm (see section "Integrated hinged leaf")

DATA SHEET

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SURFACE FINISHING

Zinc-plated

- plating with high-quality galvanized zinc-plated sheets, which need no further surface treatment
- standard surface finishing which is fully suitable for final use due to the unique manufacturing method without welding surface sheets

Color coating

- standard RAL 7035, 9002, 9006, 9010 – Individual door sections are delivered already painted. During installation, they are protected with a film which is then removed (side labyrinth profiles are supplied as zinc-plated sheets with no color coating as standard; painting these components is optionally available for an extra charge)
- RAL according to the purchaser's selection – Individual door sections are supplied in a powder coating finish of any RAL color (side labyrinth profiles are supplied as zinc-plated sheets with no color coating as standard; painting these components is optionally available for an extra charge)

GATE CONTROL

FDF motor with FSTronic 24 control

- industrial motor with long cycle life up to 100,000 cycles
- 3x400 V/10 A supply
- under normal operation, the motor opens and closes the gate
- in case of an alarm, the gate is closed by means of a 24 V DC battery powered reserve motor
- the gate can be opened mechanically

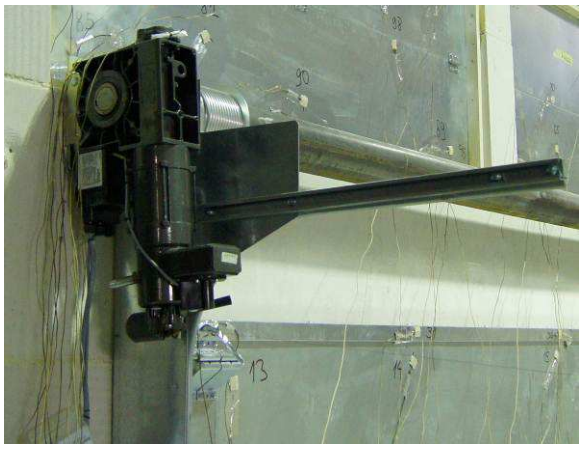
Motor FS (Fail Safe) with the FSTronic control

- optional alternative
- under normal operation, the motor opens and closes the gate
- in case of an alarm, the gate closes by gravity (fail-safe)
- power must be transferred from the motor to the drum by a drive chain

SI motor with 6RM4 control (OVERHEAD)

- industrial motor with long cycle life up to 100,000 cycles
- 1x230 V/20 A supply
- under normal operation, the motor opens and closes the gate
- smooth operation thanks to the frequency inverter increases the life of the gate
- speed can be easily regulated on the frequency inverter
- in case of an alarm, the motor closes the gate by means of the UPS emergency power supply
- the gate can be opened mechanically
- optionally, the gate can be opened electronically from the UPS emergency power supply

  If this option is required, it is necessary to contact the manufacturer to determine the size of the UPS (standard UPS sized only for closing).



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ELECTRONIC ACCESSORIES

Siren with warning light

- FLASHNI low-consumption light and sound signalization of door motion

Autonomous detection system

- control device for closing doors in locations not equipped with EFS
- two detectors are supplied as standard, with one installed on either side of the door
- detectors are supplied in these variants: smoke, temperature and combined

Motion detector

- infrared motion sensor responding to movement in front of the door
- after the door opens, it then automatically closes after a set time
- requires concurrent installation of a switchboard

Remote control

- single- or multi-channel mobile remote control device in industrial configuration allowing remote door opening
- a receiver, which is not a standard part of the control unit, must be installed in order to use the remote control.

Pull switch

- pull switch ensures automatic opening for transit of materials handling machinery

Photodetector

- safety optical sensing strip emits multiple beams for motion detection
- prevents collision of closing doors with a passing person or object

Bottom safety strip

- safety strip using the system of OSE or 8K2 optical strips placed in the aluminum profile
- must be installed along with a control unit for the bottom safety strip
- applicable only for gates without integrated hinged leaf or for hinged leaf out off an escape route (threshold height including the bottom safety strip 58 mm)

MECHANICAL ACCESSORIES

Door leaf locking

- mechanical bolt for locking the door leaf
- requires concurrent installation of a microswitch for blocking operation of the motor

Glazing

- observation window with standard dimensions of 500x300 mm with fire proofing according to the door leaf

Peripheral brush

- peripheral brush with a straight aluminum strip and polypropylene fibers restricts air circulation and prevents penetration of large dirt particles

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INTEGRATED HINGED LEAF

- transit opening with a lowered threshold of 30 mm is located in the gate leaf and can be used for escape routes as well as a panic door
- a smooth single-leaf steel door with a rabbet and a lowered 30 mm doorsill is set in the opening to allow transit of persons
- because of the type of doorsill, they can be used as an escape door and they can be designed for escape routes of civil and industrial buildings (standard dimensions of the transit opening 900x2000 mm)
- for special applications – such as in assembly areas – the leaf door can be designed as a panic door; the leaf door cannot be locked and has a rounded bolt without upper fittings, and thus the passage profile contains no elements that could catch one´s clothes (standard dimensions of the transit opening 1100x2000 mm)

HINGED LEAF FIXTURES

Mortise cylindrical bolt lock

- mortise latchbolt inset into the core of the door allowing opening and closing of a transit or escape door
- a cylinder set controlled by a key can be installed to allow for locking the door leaf

Mortise panic lock

- mortise panic bolt allows for opening the door by hand or automatically without use of any instruments after an alarm has sounded or after other emergency, even if the door is normally locked
- a cylinder set controlled by a key can be installed to allow for locking the door leaf

Mortise rounded lock

- mortise rounded bolt inset into the core of the door allowing opening and closing primarily of panic door
- door leaf cannot be locked

Escutcheon or round fittings (handle – handle, handle – escutcheon)

- outer fittings for a mortise bolt and panic lock

Embedded handle

- universal and comfortable handle which minimizes the total thickness of the leaf

Door closer

- FAB DC 335 door closer for maximum leaf weight of 100 kg
- DORMA concealed door closer installed into the top edge of the leaf

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Would you like to know more? Contact us.

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