



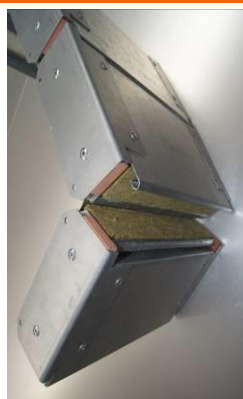
## RGS FIRE-PROOF ROLLING SHUTTER

### Trouble-free service and convenience

Fire-proof rolling shutters are custom-made according to the customer's dimensional requirements. They are tested according to European standards (EN) and can be supplied in various versions.

Thanks to its simple structural design, the installation takes up a minimal amount of space. The horizontal lamellas, manufactured from high-quality galvanized zinc-plated sheet profiles, are joined together by a locking joint. The lateral guide rails ensure smooth vertical movement of the rolling shutter. The doorjamb and header are lined with an insulation profile produced from an intumescent material.

### TYPES OF ROLLING SHUTTERS



#### Insulated RGS-60 – EI 60 to 120 DP1-C3, EW 180 DP1-C3

- insulated lamellas each 150 mm tall and 60 mm thick with a perfectly interrupted thermal bridge
- considering the large diameter of the rolled-up shutter, the motor is always placed outside the drum and power is transferred through cog wheels placed on the shafts of the drum and motor
- individual lamellas can be fitted during the installation
- can also be used for sound insulation
- diameter of rolled-up shutter: 670–950 mm
- certified without requiring a cover for the rolled-up shutter



#### Non-insulated RGS-NI – EW 30 DP1-C3

- non-insulated thin-walled sheet lamellas each 100 mm tall
- the motor shaft can be attached directly to the shaft of the main drum (does not apply for FS motors)
- drum and shutter can only be installed as a single unit
- diameter of rolled-up shutter: 310–500 mm
- certified without requiring a cover for the rolled-up shutter



#### Insulated RGS-H - EI 60 to 120 DP1-C3, EW 180 DP1-C3

- combination of insulated and non-insulated lamellas that slide horizontally with a perfectly interrupted thermal bridge for the insulated lamellas
- the non-insulated lamellas, which are rolled onto the drum, drag the insulated lamellas along a horizontal steel structure (similar to sectional doors)
- benefit of maintaining a low head (450 mm) and high fire resistance for doors
- the motor shaft can be attached directly to the shaft of the main drum (does not apply for FS motors)
- can also be used for sound insulation
- diameter of rolled-up shutter: 310 – 500 mm



## SURFACE FINISHING



### Zinc-plated

- plating with high-quality galvanized zinc-plated sheets, which need no further surface treatment



### Color coating

- RAL according to the purchaser's selection – Individual lamellas are delivered already painted
- considering the nature of rolling shutters, which cause the lamellas to rub against one another, no guarantee against damage to the coating can be provided

## GATE CONTROL



### FS (fail-safe) motor with FSTronic 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 closes by gravity (fail-safe)
- the gate cannot be opened mechanically
- power must be transferred from the motor to the drum by a drive chain



### DFD 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



### SI (KE) motor with 6RM4 control

- industrial motor with long cycle life up to 100,000 cycles
  - SI motor is intended for RGS-NI and is placed directly onto the shaft
  - KE motor is intended for RGS-60 and power is transferred to the drum by a drive chain
  - 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).



### Tubular motor with Rolltronic control

- tubular motor is not appropriate for a constant load
- only for control in "dead man" mode
- only for RGS-NI up to 7 m<sup>2</sup>



## 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 FAS
- 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



### 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

- a 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

## MECHANICAL ACCESSORIES



### Roll-up cover

- compact cover of the rolling track with individual parts from zinc-plated sheets
- installation is not necessary for fire resistance; the door is tested and certified even without the cover





DATA SHEET

Would you like to know more? Contact us.

**Somati system s.r.o.**

Jihlavská 510/2c, 664 41 Troubsko

E-mail: [export@somati-system.cz](mailto:export@somati-system.cz)

[www.somati-system.cz](http://www.somati-system.cz)

[www.facebook.com/somatisystem](https://www.facebook.com/somatisystem)

**Somati**  
**system s.r.o.**



Somati system s.r.o., Jihlavská 510/2c, 664 41 Troubsko  
ID: 29260159, Tax ID: CZ29260159  
[www.somati-system.cz](http://www.somati-system.cz)