

Product specification sheet Metacon-Next

RGS EW 240

fire rated roller shutter



FEATURES

Tested according	EN 1634-1
Classified according	EN 13501-2
CE marked according	EN 13241, EN 16034
Fire classification according EN 13501-2	EW 30, EW 60, EW 90, EW 120 E 30, E 60, E 90, E 120, E 180, E 240 <i>(additional performance EW 240 minutes is not possible to certify according EN 13501-2)</i>
CE certificate number	1812-CPR-2034
Min. dimensions (opening measures)	width 500 mm, height 500 mm, opening $\pm 0,25$ m ²
Max. dimensions (opening measures)	width 9.000 mm, height 9.000 mm, opening ± 45 m ²
Cycles max. per day	5 cycles
Cycle test	C2 (> 10.000 cycles)
Opening speed	± 90 mm/sec
Closing speed	± 90 mm/sec

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Slats

Height	150 mm
Thickness	60 mm
Weight	35 kg/m ²
Material	shells galvanized steel, fire-resistant filling

Side guides

Measures	width 125, 150, 175 or 200 mm per side, depth 115 mm
Material	galvanized steel

Consoles/brackets

Types	UNP S-80, S-100
Material	electro galvanized

Safety

Safety	safety catch device
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Installation surfaces

Permitted installation substrates	aerated concrete, sand-lime brick, concrete, masonry, fire-resistant steel construction <i>(through-and-through assembly required when fire resistance > 120 minutes; not possible for steel construction subsoil)</i>
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OPTIONS

Indoor/outdoor application possible	yes
Wind class	till wind class 3 (> 700 Pa)
Cover box, galvanized, for roll and motor	yes
Optional color parts by coating	various RAL, NCS, Sikkens colors (gloss level $\pm$ 40%, layer thickness 80 to 100 μ)
Optional parts in stainless steel	INOX 304 or 316; only side guides, cover box

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OPERATION (chain wheel motors and control box)



Self-closing chain wheel motors

Choice in type of limit switch

Control box

Required power supply

Cable length between control box and motor

Maximum cycles per day

Standard

Optional

Accumulator/batteries

Signaling

External switches

GFA FSN 15.20, FSN 25.20, FSN 50.20, FSN 110.18

DES (digital, most common), NES (mechanical)

Metacon-Next FirePro V4

3N~400 Vac +/- 10%, 50/60 Hz

3, 5, 7, 9, 11, 15, 25 meters

25 cycles

deadman's mode (hold switch, release to stop the door)

automatically operated (takeover contact), possible in

conjunction with a set of light curtains

integrated battery in control box, prevents automatic

closing in case of power failure, depending on condition of

batteries $\pm$ 4 hours

optical (LED) / acoustic (85 dB) signal integrated in control cabinet

push button switch up-down

key switch up-down

hand-held transmitter, 2-4 channel

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Specifications of GFA FSN motors

	FSN 15.20	FSN 25.20	FSN 50.20	FSN 110.18
Rated torque	150 Nm	250 Nm	500 Nm	1100 Nm
Drive speed (min ¹)	20 rpm	20 rpm	20 rpm	18 rpm
Limit switch range	20 (60)			
Connection voltage	3~230 / 400 V			
Connecting power	0,30 kW	0,45 kW	0,90 kW	1,10 kW
Locking torque	15 Nm	15 Nm	22 Nm	30 Nm
Operating current	1,5 A	2,0 A	2,7 A	4,1 A
Operating frequency	50 Hz			
Shaft diameter	25 mm	30 mm	40 mm	50 mm
Max. cycles per hour	14	12	11	10
Power cable	5 x 1.5 mm ²			
Fuse	10 A (slow)			
Protection class	IP 54			
Operating temperature	- 10 °C ... + 40 °C			
Measures (w x d x h)/mm	167 x 558 x 340	210 x 651 x 382	257 x 750 x 408	320 x 897 x 464
Weight	26 kg	45 kg	70 kg	105 kg

Specifications control box Metacon-Next FirePro V4

type	specification
Weight	10 kg
Measures (w x d x h)	300 mm x 150 mm x 400 mm
Electricity consumption	max. 2.2 kW
Power supply	3N~400Vac +/- 10%, 50/60 Hz 3~230Vac +/- 10%, 50/60 Hz 1N~230Vac +/-10%, 50/60 Hz
Fuse	max. 6.3 A slow
Engine power	max. 2.2 kW
Power	max. 8.3 A
Brake	24 Vdc
Control voltage	24 Vdc
Control current	300 mA
External power supply	24 Vdc
Power external power	500 mA max
Relay outputs	potential-free changeover contacts
Load	max. ohmic load = 1 A / max. inductive load = 1 A
Battery	voltage, 12 Vdc / capacity, 5.2 Ah / lwxh, 90 x70 x 106 mm / brand, CSB battery / type, HR1221W / weight, 1.8 kg / technology, AGM
Protection class	IP 40
Ambient temperature	+ 5 °C ... + 40 °C
Relative humidity	max. 93% (non-condensing)
Vibration	vibration-free mounting (e.g. masonry wall)