

Product specification sheet Metacon-Next

RGS EW 240

fire rated roller shutter (230V tubular motor)



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 5.000 mm, height 3.500 mm, opening ± 10 m ²
Cycles max. per day	0 cycles (waiting door)
Cycle test	C0 (< 500 cycles)
Opening speed	± 30 mm/sec
Closing speed	± 30 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 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

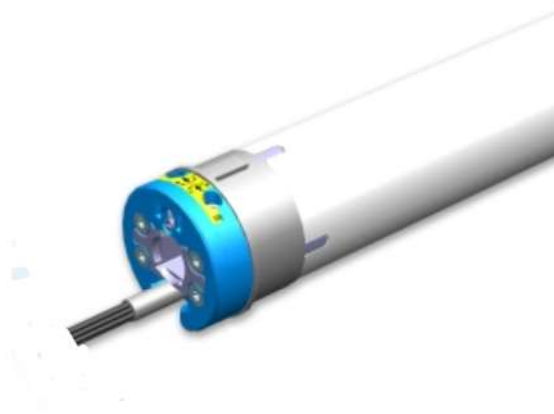
Permitted installation substrates	aerated concrete, sand-lime brick, concrete, masonry, fire-resistant steel construction <i>(through-and-through assembly required when fire resistance > 120 minutes; not possible for steel construction subsoil)</i>
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OPTIONS

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 (tubular motors and control box)



Self-closing tubular motors

Control box

Required power supply

Cable length at tubular motor

Cable length at control box

Maximum cycles per day

Standard

Batteries

Signaling

External switches

Becker XL 60, XL 120, XL 200 - SIMU T8300/8F

Metacon-Next MO 710 AZFNZNBW

1N~230 Vac

2.700 mm

1.500 mm

2 cycles

deadman's mode (hold switch, release to stop the door)
integrated batteries in the control box for backup system
signals

externally connectable optical (white/red) / acoustic (100
dB) signals

push button switch up-down

key switch up-down

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Specifications tubular motors Becker, SIMU

	Becker XL 60	Becker XL 120	Becker XL 200	SIMU T830/8F
Rated torque (Nm)	60	120	200	300
Drive speed (min ⁻¹)	11	11	3	8
Limit switch range	36 revolutions			21 Rev.
Connection voltage	230V AC / 50Hz			
Connecting power (W)	265	435	435	855
Rated current consumption (A)	1,2	1,9	1,9	3,9
Protection class	IP 44			
Motor cable	3 mtr. 7 cores			1 mtr. 10 cores
Operating temperature	Between -10°C and +40°C			+5°C and +40°C

Specifications of the Metacon-Next MO 710 AZFNZNBW control box

type	specification
Dimensions housing	300 x 230 x 90mm (l x w x h)
Dimensions print / circuit board	144,5 x 133 mm (l x w)
Power consumption in standby at 230V-50Hz.	± 1 Watt calculated with ZS7 receiver and display, excluding any externally connected loads
Mains voltage	230 Vac ± 10%, 50 Hz
Weight print without housing	250 grams
Storage temperature	- 20 °C to + 70 °C
Operating temperature	- 10 °C to + 50 °C
Relative humidity	max. 95% non-condensing
Connected load motor	one 230V AC motor max. 10A, a 230V motor reversing relay for a three-phase motor or a relay box with 230V coils
Protection class	with G503 grommets IP67, with PG grommets IP65
Voltages available for external users	12Vdc - 100 mA and 24Vdc - 200 mA
Current measurement at the motor output	< 3mA is not detected, > 6mA is detected. Max. permissible motor current 10A at 230V.
Noise exposure in free air	< 70 dB (A)
Terminating resistor protections	8.2 kΩ ± 5% for fuses with resistance measurement
Voltage measurement at the transmitter and receiver signals of a Fraba safety device with light transmission in the rubber profile	5V ± 10%, 500Hz to 2000Hz, 40% to 60% if no object is detected