

Product specification sheet Metacon-Next

RGT EI(1) 45 / EI(2) 60 / EW 120

fire rated roller curtain



FEATURES

Tested according	EN 1634-1, EN 1634-3
Classified according	EN 13501-2
CE marked according	EN 13241, EN 16034
Fire classification according EN 13501-2	EI(1) 30, EI(1) 45 EI(2) 30, EI(2) 45, EI(2) 60 EW 30, EW 60, EW 90, EW 120
CE certificate number	2434-CPR-0160, 2434-CPR-0276
Min. dimensions (opening measures)	width 750 mm, height 100 mm, opening \pm 0,1 m2
Max. dimensions (opening measures)	width 7.000 mm, height 7.000 mm, opening \pm 35 m2
Cycles max. per day	0 cycles (waiting door in open position)
Cycle test	C0 (< 500 cycles)
Opening speed	\pm 60 mm/sec
Closing speed	\pm 60 mm/sec

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Curtain

Thickness	9 mm
Weight	6 kg/m ²
Material	double-walled cloth, inside ceramic wool, outside reinforced aluminum cladding, composed by means of kevlar thread

Side guides

Measures	width 120 mm per side, depth 80 mm
Material	galvanized steel

Cover box

Measures	height/depth 250, 300, 350, 400 or 450 mm depending on size roller curtain
Material	galvanized steel

Installation surfaces

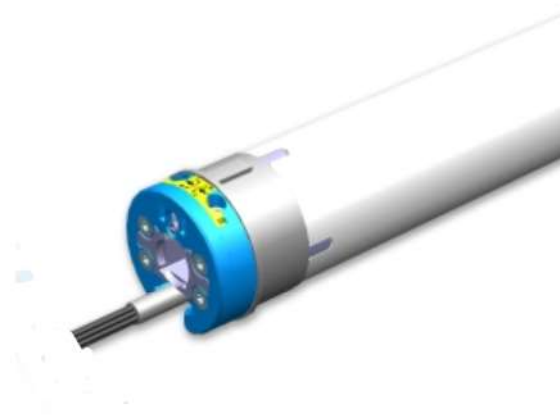
Permitted installation substrates	aerated concrete, sand-lime brick, concrete, masonry
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OPTIONS

Indoor/outdoor application possible	no
Wind class	0 (only suitable for indoor situations)
Installation in the opening possible	yes
Smoke proof classification	S _a (till ± 9 m ²) S ₂₀₀ (till ± 6 m ²)
Optional color side guides / cover box by coating	various RAL, NCS, Sikkens colors (gloss level ± 40%, layer thickness 80 to 100 µm)

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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