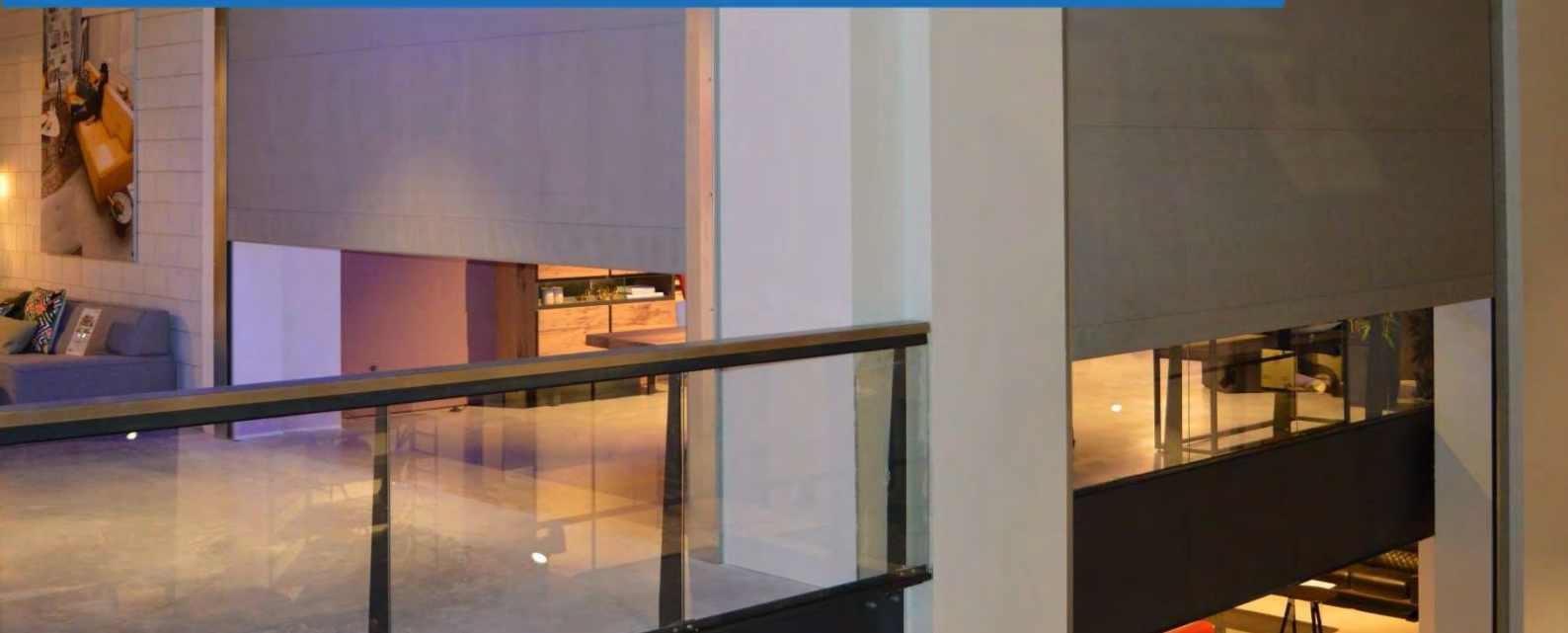Product specification sheet Metacon-Next
RGT EW 90
fire rated roller curtain

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
CE certificate number	1812-CPR-1774
Min. dimensions (opening measures)	width 750 mm, height 500 mm, opening 0,375 m2
Max. dimensions (opening measures)	width 4.500 mm, height 4.500 mm, opening 18,5 m2
Cycles max. per day	0 cycles (waiting door in open position)
Cycle test	C2 (> 10.000 cycles)
Opening speed	± 60 mm/sec
Closing speed	± 60 mm/sec

RGT EW 90

Curtain

Thickness	8mm
Weight	2,5 kg/m2
Material	double-walled fiberglass reinforced, silver-coloured

Side guides

Measures	width 153,5 mm per side, depth 34 mm
Material	galvanized steel

Cover box

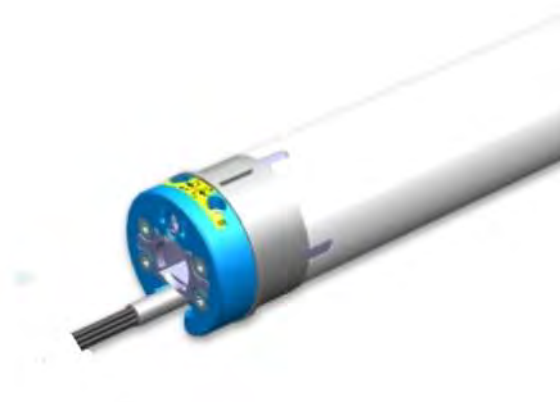|	
Measures	height/depth 200, 250 or 300 mm depending on size roller curtain
Material	galvanized steel

Installation surfaces

Permitted installation substrates	aerated concrete, sand-lime brick, concrete, masonry, fire-resistant steel construction, metal stud wall 1,5 mm

OPTIONS

Indoor/outdoor application possible	no
Wind class	0 (only suitable for indoor situations)
Version for freezing situation	to -25 degrees Celsius
Optional color side guides / cover box by coating	various RAL, NCS, Sikkens colors (gloss level ± 40%, layer thickness 80 to 100 mu)
Optional version stainless steel	visible parts side guides and cover box in stainless steel INOX 304

RGT EW 90

OPERATION (tubular motors and control box)

Self-closing tubular motors	Becker XL 60, XL 120, XL 200 - SIMU T8300/8F
Control box	Metacon-Next MO 710 AZFNZNBW
Required power supply	1N~230 Vac
Cable length at tubular motor	2.700 mm
Cable length at control box	1.500 mm
Maximum cycles per day	2 cycles
Standard	deadman's mode (hold switch, release to stop the door)
Batteries	integrated batteries in the control box for backup system signals
Signaling	externally connectable optical (white/red) / acoustic (100 dB) signals
External switches	push button switch up-down
	key switch up-down

Zuidbaan 450, 2841 MD Moordrecht, The Netherlands
Randweg 19, 8304 AS Emmeloord, The Netherlands
info@metacon-next.com
www.metacon-next.com

MetacoN Next

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 (min¹)	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