

Product specification sheet Metacon-Next

OHD-C EI(1) 60 / EI(2) 90 / EW 90

fire rated sectional door (230V tubular motor)



FEATURES

Tested according	EN 1634-1, EN 1634-3
Classified according	EN 13501-2, EN 13501-1
CE marked according	EN 13241, EN 16034
Fire classification according EN 13501-2	EI(1) 30, EI(1) 60 EI(2) 30, EI(2) 60, EI(2) 90 EW 30, EW 60, EW 90
Fire classification according EN 13501-1	B-s1, d0
CE certificate number	1812-CPR-1787
Min. dimensions (opening measures)	width 500 mm, height 500 mm, opening $\pm 0,25$ m ²
Max. dimensions (opening measures)	width 5.175 mm, height 4.000 mm, opening ± 13 m ²
Cycles max. per day	15 cycles (interval of 1 hour between every cycles)
Cycle test	C1 (> 500 cycles)
Opening speed	± 37 mm/sec
Closing speed	± 37 mm/sec

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Panels

Height	550 mm and 147,5 mm
Thickness	42 mm
Weight	32 kg/m ²
Material	composite pultrusion with fire-resistant filling, mixed white structure (approx. RAL 9002)
U value (theoretical insulation value)	1,99 W/m ² K

Rail system

Measures	width 155 mm per side, depth 107,5 mm (larger according to height)
Material	high quality galvanized steel
Rail fitting systems	regular (head space 1.000 mm - 1.500 mm) low (head space from 400 mm) high lift (head space from 1.501 mm) vertical (head space 1 x opening height + ± 750 mm)

Safety

Safety	safety catch device with integrated safety switch, cable break protection, slack cable protection
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Installation surfaces

Permitted installation substrates	aerated concrete, sand-lime brick, concrete, masonry, fire-resistant steel construction
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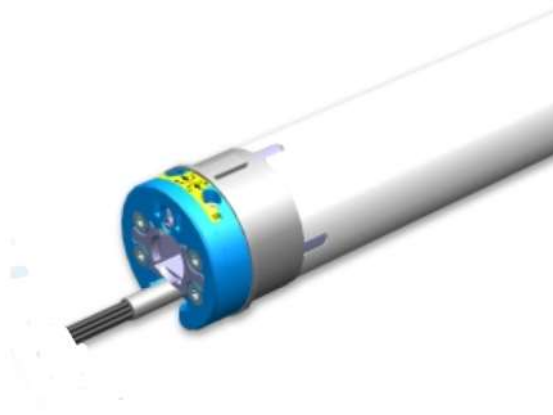
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OPTIONS

Indoor/outdoor application possible	yes
Wind class	till wind class 5 (> 1.000 Pa)
Smoke proof classification according EN 1634-3	S _a
Burglary proof classification according EN 1627-1630	RC 2 / RC 3
Sound-insulating class according NEN-EN-ISO 10140	30 dB (when using single rubber profiles) 32 dB (when using double rubber profiles)
Liquid barrier	height 300 mm (classified on both sides) height 500 mm (classified on installation side) (for version with liquid barrier, only classification C0 - waiting door, possible)
Optional color panels by coating	various RAL, NCS, Sikkens colors (gloss level \pm 40%, layer thickness 80 to 100 μ m)
Optional color panels by wrapping	RAL 9002, RAL 9006, RAL 7016, RAL 3000 (gloss level \pm 70%) (only for indoor application)

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OPERATION



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

key switch up-down

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

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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