

Product specification sheet Metacon-Next

OHD-C EI(1) 120 / EW 120

fire rated sectional door (230V tubular motor)



FEATURES

Tested according	EN 1634-1
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(1) 90, EI(1) 120 EI(2) 30, EI(2) 60, EI(2) 90, EI(2) 120 EW 30, EW 60, EW 90, EW 120
Fire classification according EN 13501-1	B-s1, d0
CE certificate number	1812-CPR-2069
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 ± 11 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

OHD-C EI(1) 120 / EW 120

Panels

Height	550 mm and 147,5 mm
Thickness	80 mm
Weight	40 kg/m ²
Material	composite pultrusion with fire-resistant filling, mixed white structure (approx. RAL 9002)
U value (theoretical insulation value)	0,82 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 1.100 mm - 1.600 mm) low (head space 780 mm - 1.100 mm; from minimum opening height 1.600 mm) extra low (head space 500 mm - 780 mm; from minimum opening height 1.600mm till maximum opening height 5.000 mm) high lift (head space from 1.601 mm; till opening height 5.800 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
--------	---

Installation surfaces

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

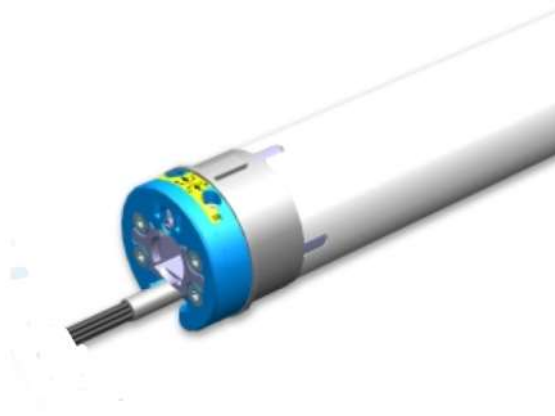
OHD-C EI(1) 120 / EW 120

OPTIONS

Indoor/outdoor application possible	yes
Wind class	till wind class 5 (> 1.000 Pa)
Burglary proof classification according EN 1627-1630	RC 2 / RC 3
Sound-insulating class according NEN-EN-ISO 10140	29 dB
Optional color panels by coating	various RAL, NCS, Sikkens colors (gloss level \pm 40%, layer thickness 80 to 100 μ)

OHD-C EI(1) 120 / EW 120

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

OHD-C EI(1) 120 / EW 120

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