



Product specification sheet Metacon-Next



OHD-C Sprint

fire rated high-speed sectional door

CERTIFICATION

Tested in accordance with	EN 1634-1:2014 + A1:2018 <i>method for determining fire resistance door constructions</i>	
Classified in accordance with	EN 13501-2:2016 <i>procedure classification data test fire/smoke resistance of building elements/ products</i> EN 13501-1:2019 <i>procedure for classifying the fire reaction of construction products</i>	El(1) : 30, 60 minutes El(2) : 30, 60, 90 minutes EW : 30, 60, 90 minutes E : 30, 60, 90 minutes B-s1, d0
CE marked in accordance with	EN 13241:2003 + A2:2016 <i>safety and performance requirements for industrial doors</i> EN 16034:2014 <i>fire and smoke control properties of industrial doors</i>	1812-CPR-1787
Environmental Product Declaration (EPD) in accordance with	ISO 14025 + EN 15804+A2 <i>standard for sustainability of buildings</i>	1.1.00916.2025

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TECHNICAL SPECIFICATIONS

Min. dimensions (opening measures)	width 500 mm, height 1.500 mm, opening $\pm 0,75$ m ²
Max. dimensions (opening measures)	width 4.000 mm, height 4.500 mm, opening ± 10 m ²
Maximum cycles per day	200 cycles
Endurance test	> 300.000 movements (fully vertical rail system) > 130.000 movements (high-lift rail system)
Opening speed	± 700 mm/sec
Closing speed	$\pm 250 - 700$ mm/sec
Standard position product	closed
Recommended temperature range	between +5°C en +40°C
Permitted mounting surfaces	<i>low density;</i> <ul style="list-style-type: none">- aerated concrete, cellular concrete, sand-lime brick- through-and-through mounting, wall thickness from 150 to 250 mm <i>high density;</i> <ul style="list-style-type: none">- concrete (uncracked), masonry- minimum wall thickness 150 mm <i>protected construction;</i> <ul style="list-style-type: none">- fire-resistant finished steel structure- steel thickness from 2 to 8 mm, cladding min. thickness 8 mm, max. thickness 30 mm

SPECIFICATION OF MATERIALS

Panels

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

Rail system

Measures	width 150 mm per side, depth 107,5 mm (larger according to height)
Material	high quality galvanized steel
Weight	± 50 kg/m ¹ per rail set
Rail fitting systems	vertical (standard) <i>(head space 1 x opening height + ± 500 mm)</i> high lift (optional) <i>(from minimum opening height 1.500 mm)</i>

Consoles/brackets

Types	plate brackets
Weight	± 7,5 kg per bracket
Material	galvanized steel

Tube/drive shaft

Measures	Ø 133,0 mm
Material	blasted steel with gray coating
Weight	± 20 kg/m ¹
Design	incl. aluminum cable drum set

Safety

Safety	cable break protection slack cable protection
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OPTIONS

Application indoor/outdoor situation	yes
Max. wind class	5
External control switches	push button switch up-down hand-held transmitter, 2-4 channel pull switch, incl. cord
Detectors in the absence of a fire alarm system	smoke detector <i>can be used as a stand-alone system, only in spaces between -10 and +60 degrees Celsius, not in dusty and/or humid environments</i> temperature detector <i>not suitable for use as a stand-alone system, only in spaces between -10 and +60 degrees Celsius, not in dusty and/or humid environments</i>
Burglary proof classification according EN 1627-1630	RC 2, RC 3
Sound-insulating class according NEN-EN-ISO 10140	30 dB, 32 dB
Optional color parts by coating	various RAL, NCS, Sikkens colors standard gloss level $\pm 70\%$ optional gloss level $\pm 30\%$, matt standard classification C3; 1-layer, layer thickness ± 80 to 100 μ optional classification C4 or C5; 3-layer, layer thickness ± 180 to 240 μ
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



Axis (box / slip-on) motors

GFA SI 25.80 KNH-FU, SI 50.80 KNH-FU

Type of limit switch

DES (digital)

Control box

TS 971

Required power supply

3N~400 Vac +/- 10%, 50/60 Hz

Cable length between control cabinet and drive

3, 5, 7, 9, 11 meters

Emergency manual control

by endless chain, height 2.000 mm from floor level

Standard

automatically operated (takeover contact), with a set of light curtains

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Specifications of GFA SI motors

	SI 25.80	SI 50.80
Connecting power	1,50 kW	4,50 kW
Torque	250 Nm	750 Nm
Limit switch range	20	20
Power cable	3 x 1,5 mm ²	5 x 1,5 mm ²
Fuse	10 A (slow)	10 A (slow)
Operating temperature	- 5... + 40 °C	- 5... + 40 °C

Specifications control box TS 971

type	specification
Weight	5 kg
Height	386 mm
Width	155 mm
Depth	90 mm
Electricity consumption	10 VA
Electricity supply	1N~230 V, PE, 50/60 Hz 3N~230-400 V, PE, 50/60 Hz 3~230-400 V, PE, 50/60 Hz
Fuse	10-16 A
Engine power	3 kW
External power	24 Vdc - 0,35 A
Relay outputs	potential-free changeover contacts
Load relay contacts	230 V AC - 1 A
Protection class	IP 65
Ambient temperature in operation	- 10...+ 50 °C
Ambient temperature in storage	+ 0...+ 50 °C
Relative humidity	max. 93% (non-condensing)
Vibration	vibration-free mounting (e.g. masonry wall)

