



Automatic
sliding door operator

DORMA CS 80 MAGNEO

CS 80 MAGNEO – the new automatic sliding door operator.

Thanks to an innovative door operator system based on magnetic technology, DORMA offers with their CS 80 MAGNEO an automatic operator for single-panel sliding doors in the interior of buildings. The CS 80 MAGNEO is an all-purpose application for the public, commercial and private sector and its low size and innovative DORMA Contur design meet all requirements of modern interior design. Thanks to its new magnetic technology, it offers an almost noiseless, safe and reliable operation in combination with wear resistance.

Variable applications

The CS 80 MAGNEO is available in right- or left-handed design and suitable for in-wall or on-wall mounting. There are three versions for door widths of up to 875 mm, 1,000 mm and 1,125 mm and it is suitable for application on timber, glass and metal doors with door-panel weights of up to 80 kg.

This new system offers various applications in the private and public sector like for example as interior door to separate living spaces, as door for walk-in cupboards, office door or door for clinical practices, but also as door application for hotels and the catering sector.

Furthermore, the CS 80 MAGNEO is especially suitable to renovate existing door systems in the private, public and commercial sector.

Guaranteed safety

The CS 80 MAGNEO has been developed in accordance with DIN 18650 (German Industrial Standard), ANSI (American Standard) and BSI (British Standard) **and even does not require additional safety sensors when operated in Low-Energy-Mode.**

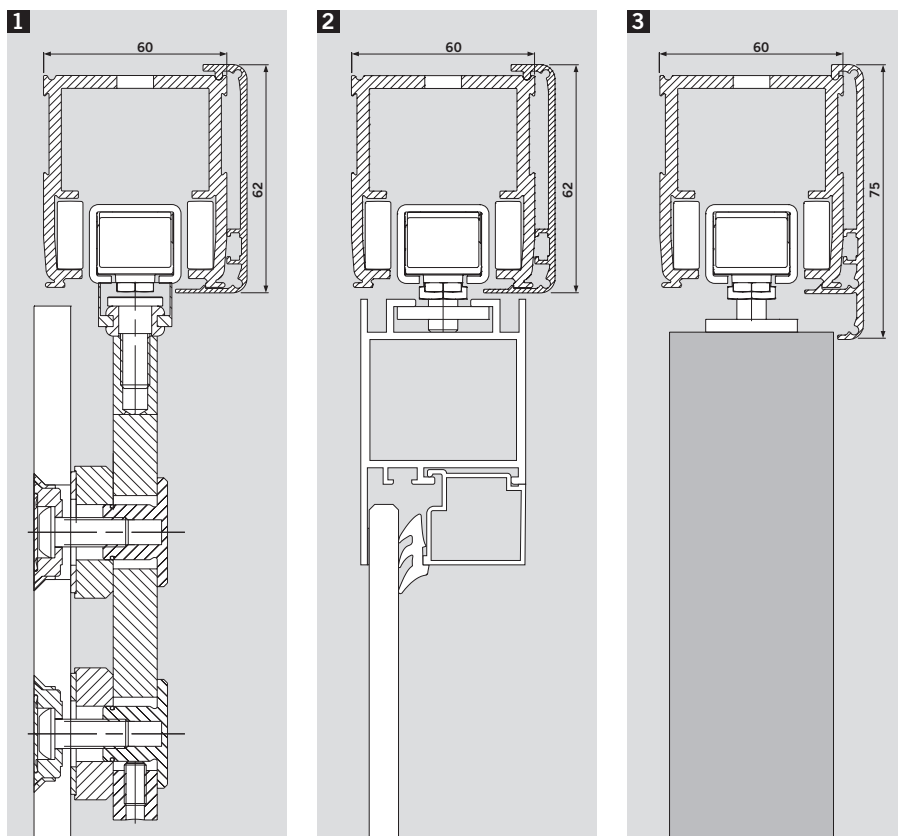
Due to its extra sensitive driving phase, it will detect any obstacle at once. As an alternative, the system can be switched to Full-Energy-Mode at the operator. In this case, the system has to be equipped with optional safety sensors out of the DORMA Automatic accessory range for compliance with DIN 18650.

Special functions included

No matter if the door shall be opened or held open, be activated manually, via pushbutton or radar motion detector – the system offers various special functions as standard: Activation via pushbutton, radar motion detector, radio remote control or AutoSwitch, Push&Go, manual access, Permanent Open, Plug&Go, adjustable Full-Energy-Mode (additional safety sensors required).

Easy mounting

Thanks to the comprehensive mounting and operating instructions, the mounting of the system does not require any special knowledge and can be performed by the glass, metal and timber worker or by versed laymen.



- 1 Cross section of operator with Manet fixing and door panel in full-glass design
- 2 Cross section of operator with framed glass door panel
- 3 Cross section of operator with timber panel door and internal cover (height: 75 mm)

System technology with various options.

Ways of mounting

In- or on-wall mounting

Passage widths

Three versions for passage widths of up to

- 875 mm
- 1,000 mm
- 1,125 mm

Internal cover

- height: 62 mm
- height: 75 mm

Suitable door panel versions

- Full-glass doors
 - Framed glass doors
 - Timber doors
 - Metal doors
- for door panels of up to 80 kg

Door accessories

- Manet fixings for full-glass doors
- Glass clamping rail
- Recessed door grip for full-glass doors

Floor guide rails

- Floor guide for timber door panels
- Floor guide for door panels in full-glass design
- Floor guide for framed door panels

Activation of door system

- Infrared activator
- Radio transmitter and radio receiver DORMA Easy Switch
- External program switch EPS-3S

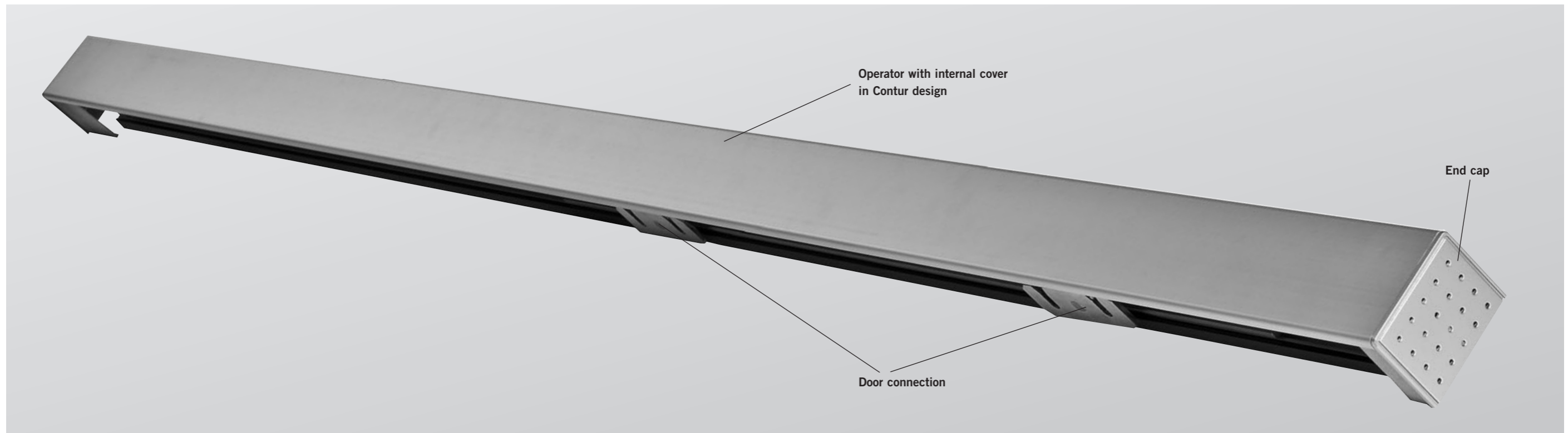
Complete packages made-to-measure

We offer operator applications that are tailored to your requirements. Thanks to our innovative packaging concept, we can dispatch all components in a single package – from the basic operator to the floor guide of the door panel. Please ask your sales consultant.

Features and benefits

- New magnetic drive
- Single-panel version, right- or left-handed design
- Innovative Contur design
- Suitable for in- and on-wall mounting
- Delivered as a complete operator system or as single component groups as standard
- Low-Energy-Mode, optional Full-Energy-Mode (additional safety sensors required)
- Suitable for application on glass, timber and metal doors with door-panel weights of up to 80 kg
- Safe, reliable and wear resistant operator thanks to its magnetic drive technology
- Easy mounting and commissioning
- Connection to standard 230-V power supply





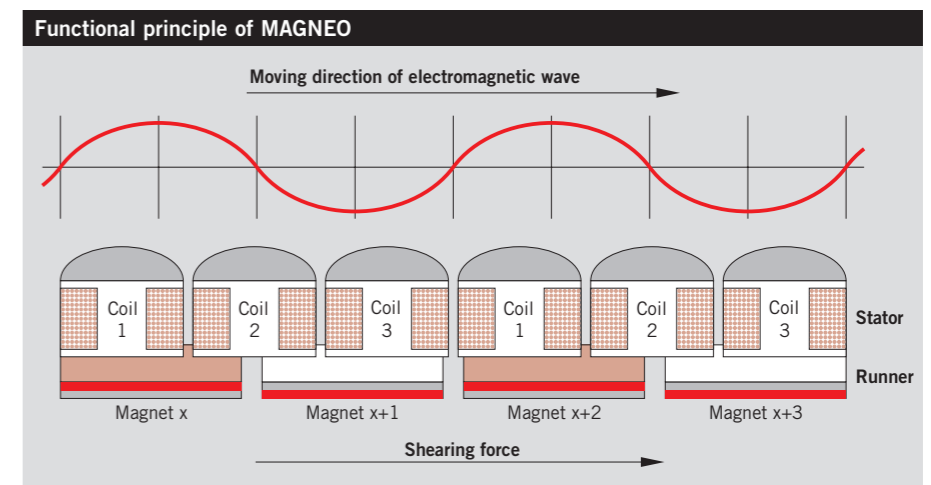
Door parameters	1	Version 2	3
Max. passage width	875 mm	1,000 mm	1,125 mm
Max. height of door panel	3,000 mm		
Door panel weight	10 kg bis 80 kg		

Technical data of operator			
Operator length without cover	1,750 mm	2,000 mm	2,250 mm
Operator height	62 mm und 75 mm		
Installation depth	60 mm		
Weight of operator	8.0 kg	8.5 kg	9.0 kg
Power supply	220-230 V AC ± 10% / 50/60 Hz		
Fuse protection (by others)	10 A		
Power consumption			
Stand-By Mode	5.6 W		
Automatic Function	max. 60 W		
Class of protection	IP 20		
Temperature range	0-40 °C		
Operating noise	max. 55 db (A)*		
Low-Energy-Mode	●		
Full-Energy-Mode with safety sensors	○		
Compliant with DIN 18650, ANSI, BSI	●		
Manufactured to ISO 9001:2000	●		

Function programs as standard	
Pushbutton	●
Radar motion detector	●
Radio remote control	●
AutoSwitch	●
Push&Go	●
Manual access of door system	●
Extra measure of safety	●
Permanent Open	●



On/off switch for Automatic and Permanent Open Function.



The DC linear motor (permanent magnet linear synchronous motor) creates a movement that is adapted to a sliding door. Like a rotating motor, the stator of the linear motor creates a magnetic shear wave, which moves the runner and thus the door panel.

Thereby the guide rollers are released via a constant magnetic force (80 kg/m).

By reducing the system to the actually required operator components, we achieve high reliability as only few components are involved.

*Measured at test setup. The noise level depends on the door and the prevailing substructure.

Various special functions included.



Pushbutton

The CS 80 MAGNEO is activated via pushbutton in an easy and comfortable way and closes the door automatically after the user has passed the system.



Radar motion detector

The CS 80 MAGNEO can also be activated via a radar motion detector – so that the door will open and close automatically.



Radio remote control

The CS 80 MAGNEO can also be activated by remote control as an option.



AutoSwitch

A transponder, carried by the people accessing the door system, activates the door automatically without having to perform any action. With the aid of a code, only a restricted user group can access the door system.



Push&Go

The door will open automatically as soon it is slightly pushed in open direction by hand and will close automatically on expiry of the hold-open time, which can be adjusted to the prevailing requirements.



Manual access of door system

The CS 80 MAGNEO is a full-automatic operator. However, the door can easily be opened and closed by hand – even in the event of a power failure.



Extra measure of safety

Thanks to the sensitive driving behaviour of the door panel, no additional safety sensors are required when the system is operated in Low-Energy-Mode (in accordance with the German DIN 18650, American ANSI and British BSI standard).



Permanent Open

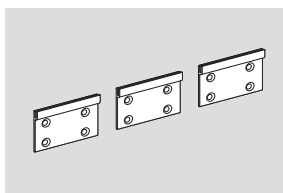
The CS 80 MAGNEO holds the door in open position for a desired period of time. The on/off switch for this function is located directly at the CS 80 MAGNEO.



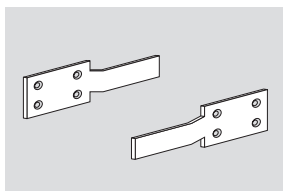
Plug&Go

CS 80 MAGNEO as complete unit – just install it and switch it on. The system is operated with 230-V standard power supply. Reliable, with a minimum of maintenance effort – and easy to upgrade.

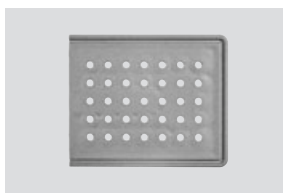
Accessories for the operator



**Fixing set for
on-wall mounting**
Art. No. 9900084010001



**Fixing set for
in-wall mounting**
Art. No. 9900084010002



End caps 62 mm, mill finish
Art. No. 84020070

End caps 62 mm, E6/C0
Art. No. 84020071



End caps 75 mm, mill finish
Art. No. 84020073

End caps 75 mm, E6/C0
Art. No. 84020074

**Power cord 230 V
(Germany), white**
Art. No. 84020040

Activators, pushbuttons, switches



Infrared activator
Art. No. 9916607401170



**Radio transmitter
and receiver
DORMA Easy Switch**
Art. No. 9900089000041

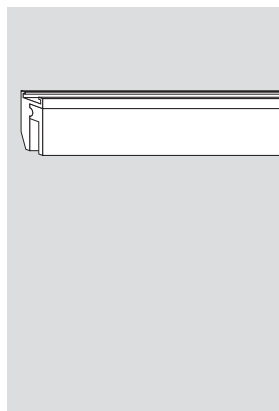


**External program switch
EPS-S3**
Art. No. 9916605501150

Accessories for door panels



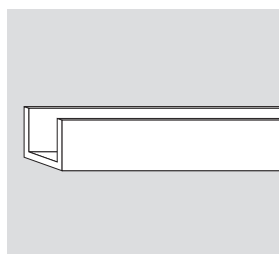
**Manet fixings for
full-glass doors**
Art No. 84020020



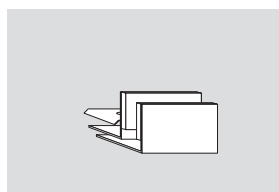
**Glass clamping rail
875 mm, mill finish**
Art. No. 84020010
875 mm, E6/C0
Art. No. 84020011
1000 mm, mill finish
Art. No. 84020013
1000 mm, E6/C0
Art. No. 84020014
1125 mm, mill finish
Art. No. 84020016
1125 mm, E6/C0
Art. No. 84020017



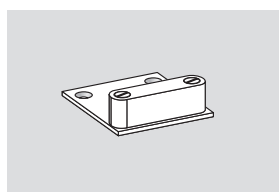
**Recessed door grip for
full-glass door panels**
Art. No. 990008420100



**Floor guide rail for
timber door panels**
875 mm
Art. No. 990008420110
1000 mm
Art. No. 990008420110
1125 mm
Art. No. 990008420110



**Floor guide rail for
glass door panels**
Art. No. 3343800150



**Floor guide for
door panels with profiles**
Art. No. 92212001

Automatic Division worldwide

DORMA GmbH + Co. KG
 Breckerfelder Str. 42-48
 D-58256 Ennepetal
 Phone +49 23 33/7 93-0
 Fax +49 23 33/7 93-495

Region Australia

AUS, NZ
 Australia
 DORMA Automatics Pty. Ltd.
 Phone +61 3 97964111
 www.dorma.com.au

New Zealand
 DORMA Automatics Pty. Ltd.
 Phone +61 3 97964111
 www.dorma.com.au

Region Central Europe

D, NL, B, LX, CH
 Germany
 Automatic D
 Phone +49 2333 793-0
 www.dorma.de

Netherlands
 DORMA van Duin Nederland BV
 Phone +31 488 418 100
 www.dorma.nl

Belgium
 DORMA foquin N.V./S.A.
 Phone +32 50 312849
 www.dorma.be

Luxembourg
 Luxembourg Subsidiary Automatic
 Phone +49 2333 793-216
 www.dorma.de

Switzerland
 DORMA Schweiz AG
 Phone +41 71 8864646
 www.dorma.ch

Region Emerging Markets

P, RUS, UA, BG, GR, TR, IND, IL, RSA
 Poland
 DORMA Polska Sp. z o.o.
 Phone +48 22 736-59-00
 www.dorma.pl

Russia
 Representative Office in Russia
 Phone +7 095 2581225
 www.dorma.com

Ukraine
 DORMA Representation Ukraine
 Phone +380 44 2443897
 www.dorma.com

Bulgaria
 DORMA Bulgaria
 Phone +359 2 9714 904
 www.dorma.com

Greece
 DORMA Representation Greece
 Phone: +30 21 09944388
 www.dorma.com

Turkey
 DORMA Kapi Kontrolleri Ltd. Sti
 Phone: +90 216 3600056
 www.dorma.com

India
 DORMA Door Controls India
 Phone +91 442 8585097
 www.dorma.com

Israel
 DORMA GmbH + Co. KG
 Phone +49 2333 793-0
 www.dorma.com

South Africa
 DORMA Door Controls (Pty.) Ltd
 Phone +27 11 8300280
 www.dorma.com

Region Far East

SGP, HK, VRC, RC, MAL, RI, RP, ROK, VN, J
 Singapore
 DORMA Far East Pte. Ltd.
 No. 31 Gul Lane
 Phone +65 62 68 76 33
 www.dorma.com.sg

Hong Kong
 DORMA Door Controls Pte. Ltd.
 Phone +852 25034632
 www.dorma.com.sg

China
 DORMA Door Controls (Suzhou)
 Co. Ltd.
 Phone +86 512 676 12481
 www.dorma.com.sg

Taiwan
 DORMA Door Controls Pte. Ltd.
 Phone +886 2 9182987
 www.dorma.com.sg

Malaysia
 DORMA Emerald Entrance Systems
 Pte Ltd
 Phone +65 459 5733
 www.dorma.com.sg

Indonesia
 DORMA Emerald Entrance Systems
 Pte Ltd
 Phone +65 459 5733
 www.dorma.com.sg

South Korea
 DORMA Emerald Entrance Systems
 Pte Ltd
 Phone +65 459 5733
 www.dorma.com.sg

Philippines
 DORMA Door Controls Pte. Ltd.
 Phone +632 893 40778
 www.dorma.com.sg

Vietnam
 DORMA Emerald Entrance Systems
 Pte Ltd
 Phone +65 459 5733
 www.dorma.com.sg

Japan
 DORMA Emerald Entrance Systems
 Pte Ltd
 Phone +65 459 5733
 www.dorma.com.sg

Region France

F
 France
 DORMA Accueil S. A. S.
 Phone +33 4 79348924
 www.dorma.fr

Region Gulf

Saudi Arabia, Bahrain, Kuwait, Egypt, Syria, Jordan, Lebanon, Iran
 DORMA ARABIA
 Automatic Doors Ltd.
 Kingdom of Saudi Arabia
 Phone +966 3 847 2394
 www.dorma.com

United Arab Emirates, Oman, Qatar
 DORMA Middle East LLC
 Dubai
 Phone +971 4 282 4424
 www.dorma.com

Region North America

USA, CDN, MEX
 USA
 DORMA Automatics Inc.
 Phone +1 301 390-3600
 www.dorma-usa.com

Canada
 DORMA Door Controls
 Phone +1 905 6701281
 www.dorma.com

Mexico
 DORMA México, S. de R.L. de C.V.
 Phone +52 55 5272 6937
 www.dorma.com

Region Scanbalt

N, S, DK, FIN, LV, EST, LT

Norway
 DORMA Norge A/S
 Phone +47 23 176800
 www.dorma.no

Sweden
 DORMA Sverige AB
 Phone +46 31 289520
 www.dorma.se

Denmark
 DORMA Danmark A/S
 Phone +45 44 543000
 www.dorma.dk

Finland
 DORMA Finland Oy
 Phone +358 9 8789130
 www.dorma.fi

Latvia
 DORMA Finland Oy
 Phone +358 9 8789130
 www.dorma.fi

Estonia
 DORMA Representation Estonia
 Phone +372 6707064
 www.dorma.com

Lithuania
 DORMA Norge AS
 Phone +47 23 176800
 www.dorma.com

Region South America

BR, RA
 Brazil
 DORMA Sistemas de Controles
 Phone +55 11 41913244
 www.dorma.com.br

Argentina
 DORMA Sistemas de
 Controles para Portas Ltda
 Phone +54 11 45051032
 www.dorma.com

Region South-East Europe

A, H, CZ, CS, HR, SLO, RO
 Austria
 DORMA AKS Automatic GmbH
 Phone +43 6225 8636-0
 www.dorma.at

Hungary
 DORMA AKS Automatic GmbH
 Phone +36 1 2065127 or 2058058
 www.dorma.com

Czech Republic
 DORMA dverni technika CR, s.r.o.
 Phone +420 2 671321-78 or -79
 www.dorma.com

Slovakia
 DORMA Slovensko spol. s.r.o.
 Phone +421 2 50221 283
 www.dorma.com

Croatia
 DORMA URED
 Phone +385 1 3498 422
 www.dorma.com

Slovenia
 DORMA Representation Slovenia
 Phone +386 2 5 30 20 10
 www.dorma.com

Romania
 DORMA S.R.L. Romania
 Phone +40 31 806 916 0
 www.dorma.com

Region South Europe

I, E, P
 Italy
 DORMA Italiana S.r.l.
 Phone: +39 039 244031
 www.dorma.it

Spain
 DORMA Ibérica, S.A.
 Phone +34 91 8757851
 www.dorma.es

Portugal
 DORMA Portugal para Portas, Lda.
 Phone +351 252 860 490
 www.dorma.com

Region UK/Ireland

GB, IRL
 Great Britain
 DORMA UK Limited
 Phone +44 1462 477600
 www.dorma-uk.co.uk

Ireland
 DORMA Ireland Limited
 Phone +353 1 295 8280
 www.dorma.com

www.dorma.com



Door Control



Automatic



Glass Fittings and Accessories



Security/Time and Access (STA)



Movable Walls