

The modular Door Control System MCC

ASSA ABLOY

ASSA ABLOY Entrance Systems

The global leader in
door opening solutions



ASSA ABLOY Entrance Systems is a leading supplier of entrance automation solutions for the efficient flow of goods and people. Building on the long-term success of the Besam, Crawford, Albany and Megadoor brands, we offer our solutions under the ASSA ABLOY brand. Our products and services are dedicated to satisfying end-user needs for safe, secure, convenient and sustainable operations.

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MCC The innovative control system

Modularity

Unlimited expansion possibilities and a great scope for utilization. Extensive settings via the software parameters and the optional extension modules create a highly versatile adaption of the control utilization.

Vector Control

The revolutionary MCC control with vector controlled frequency converter ensures smooth optimal acceleration to top speed and optimal life time for every door type and size. That together with a power boost when starting the movement gives you an outstanding door performance.

Customisation

Standard configurations for every door type allow for a fast and simple use of the control unit. Individual customer requirements can be met via the parameterization possibilities of most of the in- and outputs. Special functions, which are not included in the standard parameters, can be generated via the integrated PLC tool, creating an almost unlimited scope for functions.

Efficient control platform

The MCC control unit is based on an efficient hardware and software platform, which provides the basics for the versatile use of the standard version of the control unit. This ensures permanent availability of the door and optimal spare part handling.

Integrated design

The compact design, the usual installation near the drive unit and the option to integrate the MCC in many door types enable a visually appealing and optimal installation of the control system on the door and provide electromagnetic compatibility.

Powerful user interface

A user-friendly graphic display with plain text instructions supported by graphic symbols for the start-up, maintenance and troubleshooting. The user guide of the display is available in several languages or can be customised.



FREQUENCY CONVERTER MCC	
Material for housing	Anodized aluminum
Size control box, excluding glands and endplates (W x H x T)	220 x 380 x 100
Supply voltage	3~ PE; 50 – 60 Hz 220 – 480 V -10% / +5% Transformer necessary for 220/230/500V
Temperature range for operation	-20°C – +40°C -20°C – +45°C machine protection doors
Protection	IP 55
Supplied fuse protection	10 – 16 A, B or C characteristic or comparable
Control voltage	24 V DC
Cross section mains connection	max. 2,5 mm ²
Connections	pluggable
Control unit with graphical display and up/down/stop keys	✓ • at machine protection (MP)
Potential-free contacts	•
Fieldbus interfaces	•
Emergency stop	✓
Airlock function	✓
Interlock function	✓
2. opening height	✓
Traffic light function	✓
Flashing light function	✓
Permanent opening function	✓
Accessoires	
MCC Extension box	• 220 x 165 x 100
Combi box: Plastic Plastic (at MP) Steel painted / Inox	• 160 x 250 x 120 • 175 x 250 x 150 • 200 x 300 x 155
MCC in control box	• 500 x 500 x 210
Emergency power supply (UPS)	• 380 x 380 x 210 (Separate data sheet)

• Option ✓ Standard / Dimensions in mm

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