



ASSA ABLOY MCC – the modular high-performance door control system

High-performance doors help to optimize business processes and save energy through high running speeds, intelligent safety equipment and actuator selection adapted to the relevant situation.

In addition to short opening and closing times, demand-based opening and correct setting of the door parameters are also particularly important factors. Modern door control systems are the key here, which enables flexible adaptations to the relevant usage conditions.

Special Features

- IP 55
- Compact design
- Powerful 3phase operation
- Graphical user interface
- Clear text messages
- Modular and adaptable

MCC version 7110 the innovative control system for particularly dynamic door operations with high flexibility, fast start-up and easy handling



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 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.

Technical Data MCC version 7110

Housing material	Anodized aluminum
Size control box incl. endplates (W x H x D):	220 x 340 x 100
Supply voltage	3~ PE; 50 – 60 Hz 208 – 480 V +/-10%
Temperature range operation	-20°C – +45°C
Protection class	IP 55
On-site fuse protection	10 – 16 A, B or C characteristic or comparable
Control voltage	24 V DC, max. 500mA
Connections	Plugs
Control unit with graphical display and up/down/stop keys	✓ • at machine protection (MP)
Potential-free contacts	•
Fieldbus interfaces	• (Separate data sheet)
Emergency stop	✓
Airlock function	✓
Interlock function	✓
2. opening height	✓
Traffic light function	✓
Flashing light function	✓
Permanent opening function	✓
• Option ✓ Standard	

Accessoires

MCC Extension box	• 220 x 165 x 100
Combi box (W x H x D):	
Plastic	• 160 x 250 x 120
Plastic (at MP)	• 175 x 250 x 150
Steel painted / Inox	• 200 x 300 x 155