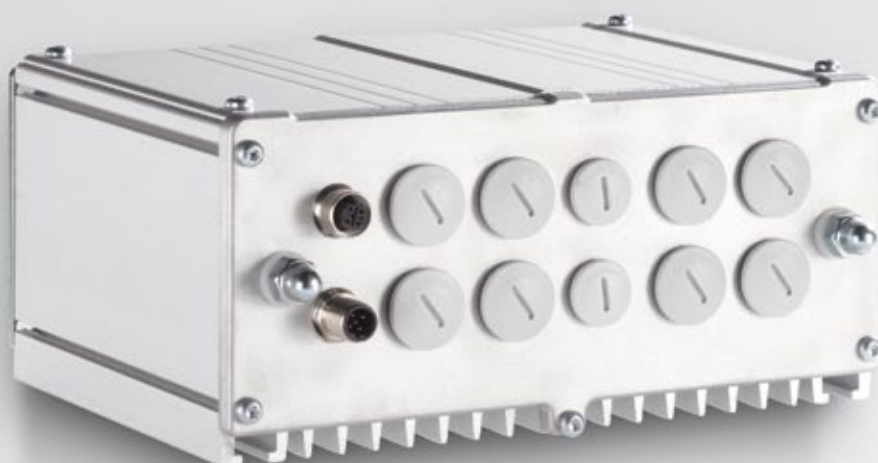


Fieldbus-Systems Albany MCC

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Albany MCC Fieldbus-Systems

FIELD BUS MODULES FOR CONTROL SYSTEM ALBANY MCC

The control system Albany MCC can be connected to field bus Profibus or Profinet. There is one module for Profibus and two alternatives for Profinet.

MECHANICAL STRUCTURE

The modules are mounted in an extension box, which is flange mounted to the door control system Albany MCC. Inside the extension box a carrier board with selected bus module is mounted. Dependent from the bus type the connection to the field bus is done by M12 female or male plugs, which are mounted in the flange plate of the housing.

PROFINET OR ETHERNET/IP

For Profinet or Ethernet/IP are the following options available:

- **Profinet 1-Port:** For the 1-port network structure an external switch is necessary. In this case is the connection to the network done via M12 female plugs (D-coded) located in the flange plate.
- **Profinet 2-Port:** When using the 2-port network structure is the switch integrated in the bus module. With this version is the connection to the network done via two M12 female plugs (D-coded).

PROFIBUS

For Profibus structure the connection to the field bus is done via two integrated M12 female/male plugs (B-coded). The male plug in the flange plate is for the incoming cable and the female plug for the outgoing cable. The bus termination on both ends for the Profibus can be turned on and off with a switch in the 9-pole D-Sub connector. With the activation of the bus termination the outgoing line will be disconnected at the plug.

BUS COMMUNICATION

When using fieldbus modules data from the Albany MCC door control system can be used for detecting normal operation states but most important error states.

The cyclic write and read process data, in Profibus and Profinet called IO data will be mapped in to so call ADI's, application data instances. These are 16bit unsigned variables that can also be used for acyclic data when mapped so.

Details regarding data exchange and byte order can be found in the user manual of the bus modules.



Profinet 1-Port



Profinet 2-Port



Profibus

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