

Chapter 4

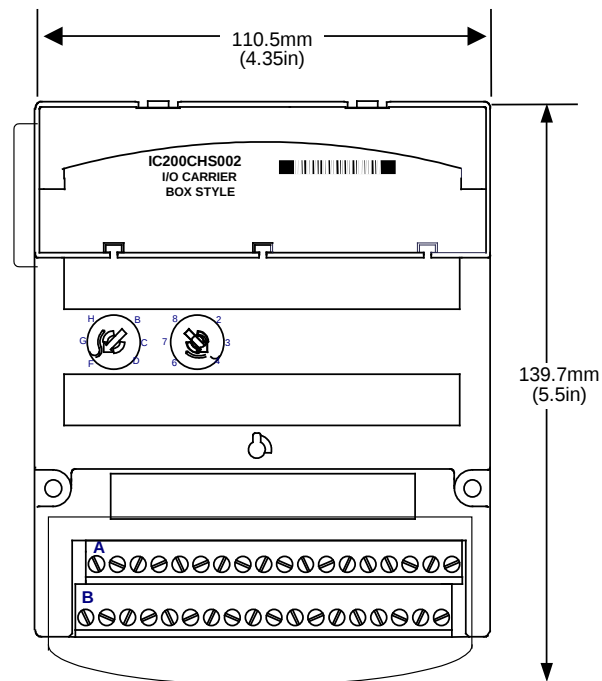
Carriers

This chapter describes the Carriers that provide mounting and backplane communications for VersaMax modules.

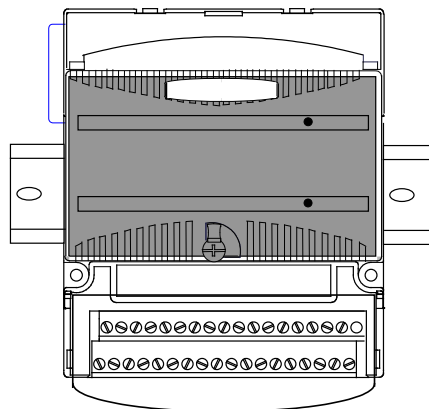
- IC200CHS001 Barrier-Style I/O Carrier
- IC200CHS002 Box-Style I/O Carrier
- IC200CHS003 Connector-Style I/O Carrier
- IC200CHS005 Spring-Style I/O Carrier
- IC200CHS022 Compact Box-Style I/O Carrier
- IC200CHS025 Compact Spring-Style I/O Carrier
- IC200CHS006 Communications Carrier
- IC200PNS001 PROFINET Scanner Carrier, 10/100 Mbps copper ports
- IC200PNS002 PROFINET Scanner Carrier, 100 Mbps Multi-Mode fiber
- IC200PWB001 Power Supply Booster Carrier

IC200CHS002 Box-Style I/O Carrier

The Box-Style I/O Carrier (IC200CHS002) has 36 IEC box-style terminals. It provides mounting, backplane communications, and field wiring for one I/O module.



The I/O module mounts lengthwise (parallel to the DIN rail) on this carrier.



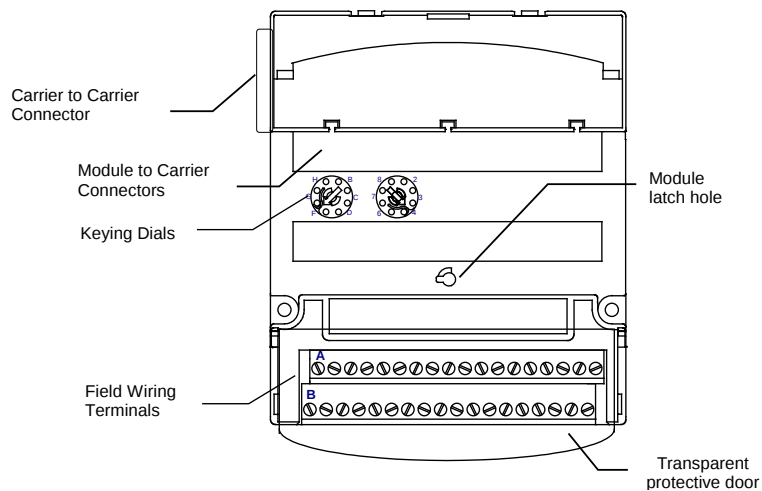
IC200CHS002 Box-Style I/O Carrier

Din Rail Mounting

The I/O carrier snaps easily onto a 7.5 mm x 35 mm DIN rail. The DIN rail must be electrically grounded to provide EMC protection. The rail must have a conductive (unpainted) corrosion-resistant finish. For applications requiring maximum resistance to mechanical vibration and shock, the carrier must also be panel-mounted. Refer to chapter 2 for installation instructions.

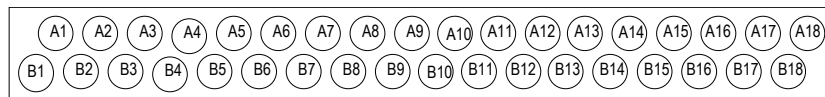
Features

- The Box-Style I/O carrier supports wiring for up to 32 I/O points and 4 common/power connections.
- Easily-set keying dials to assure installation of the correct type of module on the carrier. Keys are set to match the keying on the bottom of the module. Refer to Appendix D for a complete list of module keying assignments.
- Carrier-to-carrier mating connectors for quick installation of the backplane connection with no additional cables or tools needed.
- Module latch hole for securely fastening the module to the carrier.
- A clear protective hinged door covering the wiring terminals. The printed wiring card provided with each I/O module can be folded and inserted in this door.
- Notches on the lower edge for attaching an Auxiliary I/O Terminal Strip if extra bussed connection points are needed.



IC200CHS002
Box-Style I/O Carrier**Field Wiring Terminals**

Each terminal accommodates one solid or stranded AWG #14 (avg. 2.1 mm² cross section) to AWG #22 (avg. 0.36 mm² cross section) wire, or two wires up to AWG #18 (avg. 0.86 mm² cross section).



The carrier accommodates current levels up to 2 A per point or 8 A per each power and ground, and a voltage range of up to 264 V AC. Voltage transients up to 300 V AC will not damage the carrier.

One or more Auxiliary I/O Terminal Strips can be added to provide extra field wiring connections if needed. Auxiliary I/O Terminal Strips insert directly into the lower edge of the I/O Carrier.