



GE Fanuc Automation

Programmable Control Products

VersaMax® Modules, Power Supplies, and Carriers

User's Manual

GFK-1504K

March 2003

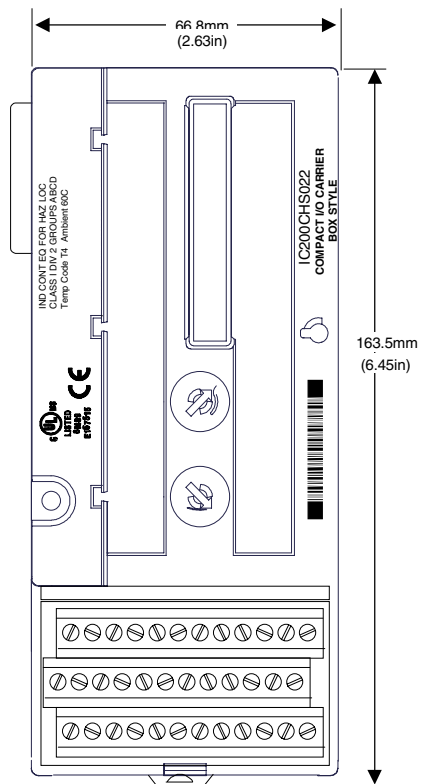
VersaMax General Product Specifications

VersaMax products should be installed and used in conformance with product-specific guidelines as well as the following specifications:

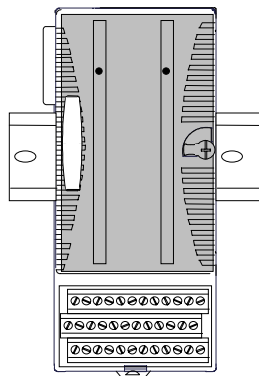
Environmental		
Vibration	IEC68-2-6	1G @57-150Hz, 0.012in p-p @10-57Hz
Shock	IEC68-2-27	15G, 11ms
Operating Temp.		0 deg C to +60 deg C ambient -40 deg C to +60 deg C ambient for I/O carriers, interposing I/O terminals, and auxiliary I/O terminals
Storage Temp.		-40 deg C to +85 deg C
Humidity		5% to 95%, noncondensing
Enclosure Protection	IEC529	Steel cabinet per IP54: protection from dust & splashing water
EMC Emission		
Radiated, Conducted	CISPR 11/EN 55011	Industrial Scientific & Medical Equipment (Group 1, Class A)
	CISPR 22/EN 55022	Information Technology Equipment (Class A)
	FCC 47 CFR 15	referred to as FCC part 15, Radio Devices (Class A)
EMC Immunity		
Electrostatic Discharge	EN 61000-4-2	8KV Air, 4KV Contact
RF Susceptibility	EN 61000-4-3	10V _{rms} /m, 80Mhz to 1000Mhz, 80% AM
	ENV 50140/ENV 50204	10V _{rms} /m, 900MHz +/-5MHZ 100%AM with 200Hz square wave
Fast Transient Burst	EN 61000-4-4	2KV: power supplies, 1KV: I/O, communication
Surge Withstand	ANSI/IEEE C37.90a	Damped Oscillatory Wave: 2.5KV: power supplies, I/O [12V-240V]
	IEC255-4	Damped Oscillatory Wave: Class II, power supplies, I/O [12V-240V]
	EN 61000-4-5	2 kV cm(P/S); 1 kV cm (I/O and communication modules)
Conducted RF	EN 61000-4-6	10V _{rms} , 0.15 to 80Mhz, 80%AM
Isolation		
Dielectric Withstand	UL508, UL840, IEC664	1.5KV for modules rated from 51V to 250V
Power Supply		
Input Dips, Variations	EN 61000-4-11	During Operation: Dips to 30% and 100%, Variation for AC +/-10%, Variation for DC +/-20%

IC200CHS022 Compact Box-Style I/O Carrier

The Compact Box-Style I/O Carrier (IC200CHS022) has 36 IEC box-style terminals. It provides mounting, backplane communications, and field wiring for one I/O module.



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



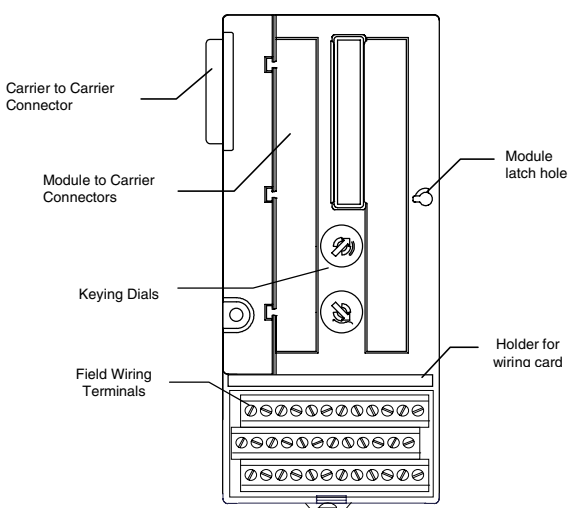
IC200CHS022
Compact Box-Style I/O Carrier**Din Rail Mounting**

The I/O carrier snaps easily onto a 7.5mm X 35mm 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. See chapter 2 for installation instructions.

Features

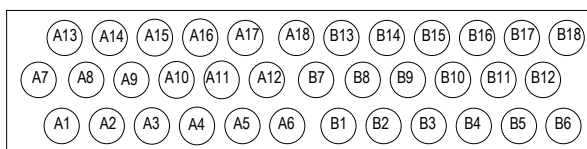
- The Compact Box-Style I/O carrier supports wiring for up to 32 I/O points and 4 common/power connections.
- Easily-set keying dials to assure installation of the correct type of module on the carrier. Keys are set to match the keying on the bottom of the module. A complete list of module keying assignments is included in appendix D.
- 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 printed wiring card provided with each I/O module can be folded and inserted in the built-in card holder.



IC200CHS022 Compact Box-Style I/O Carrier

Field Wiring Terminals

Each terminal accommodates one solid or stranded AWG #14 (avg. 2.1mm^2 cross section) to AWG #22 (avg. 0.36mm^2 cross section) wire, or two wires up to AWG #18 (avg. 0.86mm^2 cross section).



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

Wiring Card Holder

The Compact I/O Carrier has a built-in card holder that hinges down over the terminal wiring. The wiring card provided with the I/O module can be inserted in the holder. During system operation, the card holder should be in the retracted position.

