

IC670CHS103

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Field Control

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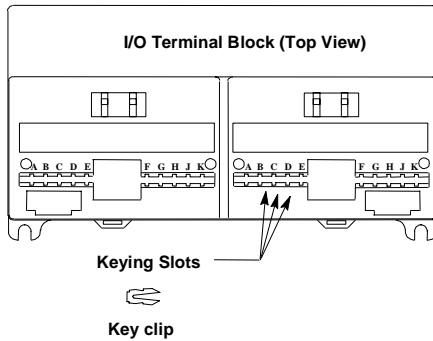
**In Stock! I/O Base, Connector Style, Hot Insertion IC670C
IC670CH IC670CHS**

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I/O Module Keying (optional)

The I/O Terminal Block is provided with a set of small keys that fit into lettered slots on the terminal block. Use of keying is recommended to ensure installation of the correct type of module in each location.



Refer to the following table for keying locations for various types of I/O modules. The check marks in the table correspond to the keying slots in the I/O Terminal Block.

Module ID: IC670...	Keying Locations										
	A	B	C	D	E	F	G	H	J	K	
MDL240		•			•		•	•			
MDL241			•		•		•		•		
MDL330, MDL331		•			•	•		•			
MDD441, MDL640, MDL644	•		•				•	•			
MDL641		•		•			•	•			
MDL642	•				•		•	•			
MDL643	•	•					•	•			
MDL730, MDL740, ALG320, ALG330	•		•						•	•	
MDL233		•			•	•			•		
MDL742	•	•						•		•	
MDL930			•	•	•	•	•	•			
ALG230, ALG240	•			•			•	•			
ALG630, ALG620	•			•				•	•		
ALG310	•			•					•	•	

Module Installation

Caution

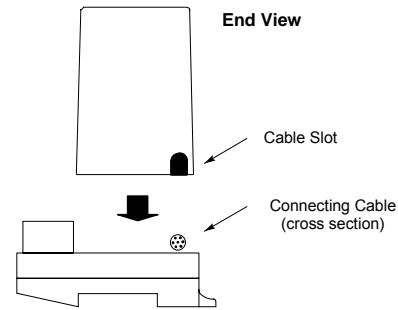
Electrostatic discharge can damage an I/O Module when it is not installed on an I/O Terminal Block. Always observe good ESD protection practices when handling an un-installed module.

If the protective label is still in place on the I/O Terminal Block, remove it before attempting to install an I/O Module.

Installing an I/O Module on the Base

1. Before installing a module, remove the cable slot knockout(s) where the module would cover the connecting cable. The knockouts can be removed with pliers or by pressing *out* from inside the housing.

2. To install an I/O module, position the module so that the cable slot in the module housing is over the connecting cable.



3. Align the module with the base and press the module down firmly. If you feel resistance, remove the module and check the keying (if present). Also be sure the connecting cable is within the cable slot.
4. Tighten the module bolts to secure it. Minimum recommended torque is 6 in/lbs. Maximum recommended torque is 9 in/lbs.

Removing Power

For I/O Terminal Blocks without the special alignment slot (IC670CHS001, 002, and 003), inserting or removing an I/O module during station operation may cause incorrect data to be generated for the entire I/O station.

I/O Terminal Blocks with the projecting alignment slot (IC670CHS101, 102, 103) are designed for module hot-insertion. With these terminal blocks, modules can be inserted/removed without removing power to the I/O station or affecting other devices in the I/O station. External power to the module itself must be removed for hot insertion/removal. Hot insertion/removal can only be performed in non-hazardous locations.

Note: Inserting or removing an I/O module during station operation may cause incorrect data to be generated.

Some Field Control modules may not make proper connection and fail to power up when hot-inserted on Terminal Block IC670CHS103B or earlier. Version IC670CHS103C (introduced in October 2004) or later should be used instead.

Warnings

This equipment is suitable for use in Class I, Division 2, Groups A, B, C, and D or in non-hazardous locations only.

WARNING-Explosion Hazard-Substitution of components may impair suitability for Class I, Division 2.

WARNING-Explosion Hazard-Do not disconnect equipment unless power has been switched OFF or the area is known to be non-hazardous.

When in hazardous locations, turn off power before replacing or wiring modules. Do not remove or insert external modules with power applied. Personal injury, system malfunction and/or damage to the equipment may occur.

In non-hazardous locations, for personal safety field power should be off while removing or inserting a high-voltage I/O module. Avoid contact with module wiring and with the exposed connectors on the I/O Terminal Block.