

IC670CHS004

Thermocouple Terminal Block

GE IC670CHS004 is a Thermocouple Terminal Block for the Field Control distributed I/O. It provides the documented field interface or control function in the configured system.

BRAND	General Electric	FAMILY	Field Control distributed I/O
PART	IC670CHS004	SYSTEM ROLE	Provides the documented thermocouple terminal block function

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IC670CHS004

MANUFACTURER SOURCE RECORD

Field Control Distributed I/O and Control System I/O Modules User's Manual
GFK-0826J, June 2002

Product Overview

SYSTEM FUNCTION

GE IC670CHS004 is a Thermocouple Terminal Block for the Field Control distributed I/O. It provides the documented field interface or control function in the configured system.

FUNCTION 1

Provides the documented thermocouple terminal block function

FUNCTION 2

Uses exact catalog identity IC670CHS004 for replacement control

FUNCTION 3

Integrates with the matched Field Control distributed I/O hardware

FUNCTION 4

Supports controlled connection checks and functional verification

System Components

COMPONENT	DOCUMENTED ROLE
Host / carrier	Field Control distributed I/O
Primary interface	Provides the documented thermocouple terminal block function
Engineering context	The component is used with the exact terminal assembly, carrier, power grouping and bus configuration identified for IC670CHS004. Commissioning preserves the installed point map and verifies controlled field response.
Commissioning duty	Complete a controlled signal or load test before returning the station to service.

TECHNICAL NOTE

Install IC670CHS004 only in the documented Field Control distributed I/O position. Preserve the as-found terminal mapping and configuration, then verify diagnostics and the affected field function under controlled conditions.

Technical Data

PARAMETER	VALUE	PARAMETER	VALUE
Terminal block type	Thermocouple	Compatible modules	Field Control thermocouple modules
Reference compensation	Two built-in thermistors	Mounting requirement	Grounded conductive DIN rail
Primary function	Local reference-junction compensation	Connector interface	Can connect through IC670CHS003

Related Products on Apter Power

MODEL	SYSTEM ROLE	APTER POWER PAGE
IS200ECTBG1A	product page	View IS200ECTBG1A page
IS200TRTDH1CCC-594440	product page	View IS200TRTDH1CCC-594440 page
IC693CHS398	product page	View IC693CHS398 page
IS200ACLEH1BCB	product page	View IS200ACLEH1BCB page
DS200TCDAF1BCM	product page	View DS200TCDAF1BCM page
IS200STAOH2AAA	product page	View IS200STAOH2AAA page
IS200BTCH1BBB	product page	View IS200BTCH1BBB page
IS200EMIOH1ACA	product page	View IS200EMIOH1ACA page

ENGINEERING BOUNDARY

Confirm IC670CHS004, Field Control distributed I/O host, hardware revision, terminal or connector type, power and signal ranges, wiring, grounding, bus configuration, companion accessories and controlled commissioning results before service release.

Applications and Precautions

Common Applications

Field Control distributed I/O station maintenance

Restores the documented thermocouple terminal block function in an engineered station.

Distributed I/O refurbishment

Uses exact IC670CHS004 identity when rebuilding the recorded field interface.

Control-panel modernization

Preserves the approved terminal, power and communications arrangement during migration work.

Controlled recommissioning

Verifies point mapping, diagnostics and field response before process release.

Product Precautions

- 1

Confirm the full IC670CHS004 catalog marking and installed Field Control distributed I/O position before work.
- 2

Isolate the station supply and connected field energy using the approved procedure.
- 3

Record every terminal, common, shield, connector and configured point before removal.
- 4

Use ESD controls and protect backplane, terminal and connector contacts from contamination.
- 5

Verify each documented value for IC670CHS004 against the installed host and field circuit.
- 6

Restore the approved terminal assembly, power grouping and configuration record.
- 7

Energize in the prescribed sequence and review module, bus and point diagnostics.
- 8

Complete a controlled signal or load test before returning the station to service.

IMPORTANT NOTICE

Confirm IC670CHS004, Field Control distributed I/O host, hardware revision, terminal or connector type, power and signal ranges, wiring, grounding, bus configuration, companion accessories and controlled commissioning results before service release.

ACCEPTANCE CHECK	REQUIRED EVIDENCE
Identity	IC670CHS004
Configuration	Energize in the prescribed sequence and review module, bus and point diagnostics.
Functional release	Complete a controlled signal or load test before returning the station to service.

Engineer FAQ

Q1 How is IC670CHS004 identified?

Match the complete catalog number and the Thermocouple Terminal Block designation.

Q3 What records are retained before removing IC670CHS004?

Record terminals, commons, shields, connectors, point mapping and diagnostics.

Q5 Which official values govern IC670CHS004?

Terminal block type: Thermocouple; Reference compensation: Two built-in thermistors; Primary function: Local reference-junction compensation; Compatible modules: Field Control thermocouple modules.

Q7 Which diagnostics follow IC670CHS004 energization?

Review module, bus and channel status in the prescribed startup sequence.

Q2 Which system accepts IC670CHS004?

Use the documented Field Control distributed I/O carrier, terminal and bus arrangement.

Q4 How is IC670CHS004 isolated safely?

Isolate station and field supplies, prove the safe state and apply ESD controls.

Q6 How is IC670CHS004 configuration restored?

Restore the approved hardware execution, power grouping and point map.

Q8 What releases IC670CHS004 to service?

A controlled signal or load test with the expected field response and no active diagnostic.

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