

# IC670CHS002

## I/O Terminal Block with Box Terminals

GE IC670CHS002 is a I/O Terminal Block with Box Terminals 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  | IC670CHS002      | SYSTEM ROLE | Provides the documented i/o terminal block with box terminals function |

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IC670CHS002

### 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 IC670CHS002 is a I/O Terminal Block with Box Terminals 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 i/o terminal block with box terminals function

### FUNCTION 2

Uses exact catalog identity IC670CHS002 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 i/o terminal block with box terminals function                                                                                                                                                    |
| Engineering context | The component is used with the exact terminal assembly, carrier, power grouping and bus configuration identified for IC670CHS002. 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 IC670CHS002 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 style    | Box terminals        | Two-wire capacity     | Up to AWG 18                  |
| Terminal sets     | Two independent sets | Module connection     | Field Control I/O module base |
| Terminal count    | 51                   | Hot insertion/removal | Not supported by IC670CHS002  |
| Single-wire range | AWG 14 to AWG 22     |                       |                               |

## Related Products on Apter Power

| MODEL                        | SYSTEM ROLE  | APTER POWER PAGE                                       |
|------------------------------|--------------|--------------------------------------------------------|
| IC200ALG261                  | product page | <a href="#">View IC200ALG261 page</a>                  |
| 489-P5-HI-A20-E              | product page | <a href="#">View 489-P5-HI-A20-E page</a>              |
| IS200TDBTH2ACD               | product page | <a href="#">View IS200TDBTH2ACD page</a>               |
| IC200UDR005-BD               | product page | <a href="#">View IC200UDR005-BD page</a>               |
| IS200VCMIH2BCD-IS215VCMIH2BC | product page | <a href="#">View IS200VCMIH2BCD-IS215VCMIH2BC page</a> |
| IS200TDBTH2A                 | product page | <a href="#">View IS200TDBTH2A page</a>                 |
| LOCON-24-0360-A32I           | product page | <a href="#">View LOCON-24-0360-A32I page</a>           |
| HE693THM884G                 | product page | <a href="#">View HE693THM884G page</a>                 |

### ENGINEERING BOUNDARY

Confirm IC670CHS002, 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 i/o terminal block with box terminals function in an engineered station.

### Distributed I/O refurbishment

Uses exact IC670CHS002 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 IC670CHS002 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 IC670CHS002 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 IC670CHS002, 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           | IC670CHS002                                                                        |
| 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 IC670CHS002 identified?

Match the complete catalog number and the I/O Terminal Block with Box Terminals designation.

### Q3 What records are retained before removing IC670CHS002?

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

### Q5 Which official values govern IC670CHS002?

Terminal style: Box terminals; Terminal sets: Two independent sets; Terminal count: 51; Single-wire range: AWG 14 to AWG 22.

### Q7 Which diagnostics follow IC670CHS002 energization?

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

### Q2 Which system accepts IC670CHS002?

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

### Q4 How is IC670CHS002 isolated safely?

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

### Q6 How is IC670CHS002 configuration restored?

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

### Q8 What releases IC670CHS002 to service?

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

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