

INDUSTRIAL AUTOMATION PRODUCT

IC670MFP100

GE Fanuc Series 90 Micro Field Processor

Local control program, discrete and analog I/O data, and serial programming traffic

IDENTITY	VERIFIED VALUE
Manufacturer	GE
System family	GE Fanuc Field Control distributed I/O
Part number	IC670MFP100
Country	USA
HS code	8537101190

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Technical Specifications

Technical values below are limited to the named GE product record.

PARAMETER	TECHNICAL VALUE
Catalog number	IC670MFP100
Boolean scan rate	1 ms per K of logic
Backplane power	6.5 V DC
Current with handheld programmer	300 mA typical
Current without handheld programmer	110 mA typical
User memory	6 K words
%R memory	2048 words
%AI memory	128 words
%AQ memory	128 words
%I memory	512 bits
%Q memory	512 bits
%G memory	1280 bits
%M memory	1024 bits
%T memory	256 bits
%S memory	128 bits
DIN rail	35 x 7.5 mm

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System Role and Architecture

Local control program, discrete and analog I/O data, and serial programming traffic

FUNCTION 1

Executes Boolean logic at 1 ms per K

FUNCTION 2

Provides 6 K words of user memory

FUNCTION 3

Maintains local discrete and analog data tables

FUNCTION 4

Mounts in any station slot except the BIU position

Matched system components

- Field Control terminal block
- Compatible Field Control I/O modules
- Handheld programmer or host configuration
- 6.5 V DC backplane supply

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	Field Control terminal block
Companion hardware	Compatible Field Control I/O modules
Field connection	Handheld programmer or host configuration
Primary system function	Executes Boolean logic at 1 ms per K
Controlled acceptance duty	local sequence and distributed I/O control field station

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Applications and Engineering Context

local sequence and distributed I/O control field station

Executes Boolean logic at 1 ms per K

Remote I/O cabinet integration

Provides 6 K words of user memory

Installed-base module renewal

Maintains local discrete and analog data tables

Controlled commissioning and diagnostics

Mounts in any station slot except the BIU position

TECHNICAL NOTE

Confirm the IC670MFP100 station position, program checksum, memory references and I/O assignment before transfer; prove output defaults and serial communication before release.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	IC670MFP100 / IC670MFP100 recorded
Physical interface	Field Control terminal block
Companion check	Compatible Field Control I/O modules
Functional proof	Executes Boolean logic at 1 ms per K
Application test	local sequence and distributed I/O control field station

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Engineering Precautions

- 1 Verify the complete IC670MFP100 catalog marking and assigned Field Control position before work.
- 2 Place the connected locally controlled process in its approved maintenance state before disturbing the station.
- 3 Isolate BIU and field power, then confirm a safe condition at the IC670MFP100 terminal block.
- 4 Label and record I/O assignments, serial-port wiring and output-state records before disconnecting any conductor from IC670MFP100.
- 5 Use ESD controls and protect the module connector, terminal block keying and exposed electronics.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
IC600LX624	Related GE product	View IC600LX624 page
531X111PSHARG1	Related GE product	View 531X111PSHARG1 page
IC660CBB902	Related GE product	View IC660CBB902 page
IC600YB842	Related GE product	View IC600YB842 page
IC600CB524	Related GE product	View IC600CB524 page
IC600BF842	Related GE product	View IC600BF842 page
IC693BEM321	Related GE product	View IC693BEM321 page
IC693CPU311	Related GE product	View IC693CPU311 page

MANUFACTURER SOURCE RECORD

GE Fanuc Series 90 Micro Field Processor User's Manual
GFK-1171, March 1996

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