General Electric HE693PBM101F

COMPLETE PRODUCT INFORMATION / EXACT-MODEL ENGINEERING FILE

General Electric HE693PBM101F is a series 90-30 profibus dp master module for the GE Fanuc Series 90-30 PLC platform. The complete marking and installed hardware arrangement must be matched before replacement.

01 Product overview

Network capacity
PROFIBUS DP master for up to 64 slaves and 128 mapped modules or areas.

Host requirement
Series 90-30 CPU350 or higher with firmware 8.0 or later.

Electrical base data
4 W at 5 VDC, 0-60 °C and 5-95% non-condensing humidity.

HE693PBM101F is handled as an F-revision execution of the HE693PBM101 base design. Applicable manufacturer documentation establishes a PROFIBUS DP master for the Series 90-30 platform; it does not define a separate F-suffix functional branch.

The base module operates at 24 MHz, supports up to 64 slaves and maps as many as 128 modules or areas. It requires a CPU350-or-higher host, firmware version 8.0 or later and VersaPro 1.10 or later for configuration.

Verified technical data

Base design	HE693PBM101 PROFIBUS Master
Suffix boundary	F treated as a hardware/firmware revision; verify the actual nameplate
Network role	PROFIBUS DP master only; FMS and PA are not supported
Base-model processor speed	24 MHz
Maximum slaves	64
Maximum devices per segment without repeaters	32
Maximum devices per segment with repeaters	64
Maximum data produced	504

Related product references

- General Electric IC695PNC001
- General Electric IS220PPROH1A
- General Electric DS200TBCAG1AAB
- General Electric 531X123PCHACG1
- General Electric 531X303MCPBCG1
- General Electric IS230SNTCH4A
- General Electric IS230SNAIH2A
- General Electric IS230TNTRH1C

02 Technical data and installed-system relationship

Maximum diagnostic plus consumed data	504
Maximum modules / areas	128
Required CPU	CPU350 or higher
Required CPU firmware	Version 8.0 or higher
Configuration software	VersaPro 1.10 or higher
Status LEDs	OK, RUN and POWER
Data rates	9.6 kbit/s to 12 Mbit/s
Segment length at 9.6, 19.2 or 93.75 kbit/s	1200 m

Engineering interpretation

Complete identity	Use HE693PBM101F as one complete reference in the quotation, service record and acceptance file.
Installed position	Record the exact host position and functional ownership within the GE Fanuc Series 90-30 PLC platform.
Physical execution	Compare artwork, connectors, keying, terminal hardware and orientation with the removed assembly.
Configuration boundary	Preserve the applicable project, address, firmware or hardware-setting record before removal.
Acceptance evidence	Retain initial and as-left diagnostics plus the controlled functional-test result.
Unstated values	Do not assign electrical or compatibility values that are not established by the exact-model evidence.

Controller platform reference

GE Fanuc Series 90-30 PLC platform. Use the exact installed hardware execution and the approved system record.

Related product references

- General Electric DS200TBCAG1AAB
- General Electric 531X123PCHACG1
- General Electric 531X303MCPBCG1
- General Electric IS230SNTCH4A
- General Electric IS230SNAIH2A
- General Electric IS230TNTRH1C
- General Electric IC695PNC001
- General Electric IS220PPROH1A

03 Applications / Compatibility

System position: HE693PBM101F is evaluated within the documented GE Fanuc Series 90-30 PLC platform architecture. Compatibility boundary: Match the complete HE693PBM101F marking, mating hardware and installed configuration before replacement.

PROFIBUS DP master
Control distributed I/O and field devices over the documented master-slave network.

Series 90-30 integration
Use with CPU350-or-higher hardware and the approved PLC firmware and VersaPro project.

Network expansion
Apply repeaters and segment limits when the station count or cable length exceeds one segment.

Legacy-system maintenance
Retain the F revision, slave map and network diagnostics with the spare or replacement record.

Product Precautions

Verify the F revision
Compare the complete HE693PBM101F label and installed hardware before replacement.

Archive the network project
Save slave addresses, data areas, GSD definitions and the VersaPro project before removal.

Isolate backplane power
Follow the Series 90-30 service procedure before removing or inserting the module.

Inspect PROFIBUS wiring
Check the 9-pin connector, type-A cable, shield bond and both powered terminations.

Respect segment limits
Apply the official baud-rate distance limits and use repeaters where the approved topology requires them.

Prove mapped data
Verify slave diagnostics, input/output mapping and OK/RUN/POWER indications after commissioning.

Additional verified data

Segment length at 187.5 kbit/s	600 m
Segment length at 500 kbit/s to 6 Mbit/s	200 m
Segment length at 12 Mbit/s	100 m
Required power	4 W at 5 VDC
Operating temperature	0 to 60 °C
Relative humidity	5 to 95% non-condensing

Related product references

General Electric 531X303MCPBCG1

General Electric IS230SNTCH4A

General Electric IS230SNAIH2A

General Electric IS230TNTRH1C

04 Technical FAQ

How should HE693PBM101F be identified before replacement?	Match the complete HE693PBM101F label, the F revision marker, front connector and installed Series 90-30 slot before replacement.
What installed interfaces must be checked for HE693PBM101F?	Verify the Series 90-30 backplane connection, PROFIBUS connector, shield termination and network-segment position used by HE693PBM101F.
Which configuration values must be preserved before removing HE693PBM101F?	Archive the slave addresses, GSD-derived module definitions, mapped PLC areas and VersaPro project associated with HE693PBM101F.
How should the field wiring for HE693PBM101F be verified?	Check type-A PROFIBUS cable, termination at both powered ends, shield bonding and segment-length limits before reconnecting HE693PBM101F.

Lifecycle Status

HE693PBM101F status	Legacy product documentation lists HE693PBM101 under legacy documentation; the present commercial phase of the F revision has not been confirmed.
Revision boundary	The F suffix is treated as a hardware or firmware revision of the PBM101 base design, not as a separately documented function.
Service planning	Preserve the Series 90-30 CPU level, firmware, PROFIBUS topology and VersaPro project when qualifying a replacement.

Available Unit Details

Offered reference	General Electric HE693PBM101F.
Functional identity	Single Series 90-30 PROFIBUS DP master module based on HE693PBM101.
Unit verification	Confirm the F revision on the label, the 9-pin network interface, the backplane connector and the visible OK/RUN/POWER indicators.

Alternative Names

Reference variant	HE693PBM101 Revision F PROFIBUS Master
Reference variant	Series 90-30 PBM101F DP Master Module

Related product references

- General Electric IS220PPROH1A
- General Electric DS200TBCAG1AAB
- General Electric 531X123PCHACG1
- General Electric 531X303MCPBCG1
- General Electric IS230SNTCH4A
- General Electric IS230SNAIH2A
- General Electric IS230TNTRH1C
- General Electric IC695PNC001

05 Technical notes, ordering and enquiry

What should be checked before energizing HE693PBM101F?	Confirm a CPU350-or-higher host, firmware 8.0 or later, 5 VDC backplane power and the approved PROFIBUS topology for HE693PBM101F.
How can a suspected HE693PBM101F fault be separated from an external fault?	Check backplane power, OK/RUN/POWER LEDs, termination, cable continuity and slave diagnostics before replacing HE693PBM101F.
What proves that HE693PBM101F is operating correctly after installation?	A controlled network test must show the expected slaves, mapped data and stable OK/RUN indications for HE693PBM101F.
What should be retained in the handover record for HE693PBM101F?	Retain the HE693PBM101F nameplate, F revision, network map, configuration archive, diagnostics and acceptance result.

Technical notes

Revision check	Verify the F suffix on the actual HE693PBM101F label before approving firmware or hardware equivalence.
Network limits	Match the configured baud rate to its maximum segment length and confirm powered termination at both ends of the PROFIBUS segment.
Host relationship	Use CPU350 or higher, firmware 8.0 or later and the archived VersaPro configuration for the installed data map.

Ordering checks

Match the complete marking	Compare every token in HE693PBM101F with the installed label and the applicable manufacturer document.
Verify the assembly boundary	Confirm the terminal board, I/O pack, connector, carrier or matched-system components that belong with HE693PBM101F.

What happens after you enquire

Review the exact reference	Send the complete HE693PBM101F marking, installed-system context and required quantity.
Confirm the hardware boundary	Review the offered HE693PBM101F assembly, included hardware and matching evidence.
Arrange dispatch	Confirm quantity, destination and the dispatch date in the quotation.

Related product references

- General Electric 531X123PCHACG1
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- General Electric IC695PNC001
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- General Electric DS200TBCAG1AAB

Discuss the complete HE693PBM101F marking with Apter Power.

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Scan the WhatsApp QR to share nameplate and installed-system evidence.