

INDUSTRIAL AUTOMATION PRODUCT

HE693SNP232A

Series 90-30 SNP-to-RS-232 Adapter

GE HE693SNP232A is an SNP-to-RS-232 adapter for the Series 90-30 PLC programmer port. It is powered by the PLC port and provides a 9-pin RS-232 connection for a straight-through PC/AT cable.

CONTROLLED ENGINEERING COPY

IDENTITY	VERIFIED VALUE
Manufacturer	General Electric
System family	GE Fanuc Series 90-30
Part number	HE693SNP232A
Document status	Controlled product and system reference

DOCUMENT SCOPE

Exact article identity, official technical data, host matching, installation checks, applications, precautions and controlled acceptance evidence.

MODEL-SPECIFIC ENGINEERING NOTE

Install HE693SNP232A only in the documented GE Fanuc Series 90-30 position and preserve its exact wiring, interfaces and configuration. After controlled energization, verify diagnostics and converting the Series 90-30 SNP programmer interface to an RS-232 connection before service release.

System Role and Architecture

GE HE693SNP232A is an SNP-to-RS-232 adapter for the Series 90-30 PLC programmer port. It is powered by the PLC port and provides a 9-pin RS-232 connection for a straight-through PC/AT cable.

FUNCTION 1
15-pin SNP PLC connector

FUNCTION 2
9-pin RS-232 device connector

FUNCTION 3
Port-powered at 5 V DC

FUNCTION 4
Straight-through PC/AT cable support

RELATED APTER POWER PAGES		
1 General Electric IC660BBA106	2 General Electric IC660BBD020	3 General Electric IC660BBD021
4 General Electric IC660BBD023	5 General Electric IC660BBD100	6 General Electric IC660BBD101
7 General Electric IC660BBD024	8 General Electric IC660BBD110	9 General Electric IC660BBD120

MATCHED SYSTEM COMPONENTS

NO.	DOCUMENTED COMPONENT / ROLE
01	GE Fanuc Series 90-30
02	Matched GE Fanuc Series 90-30 host or field system
03	Documented power, signal, communication and protective interfaces
04	Approved engineering configuration and acceptance record

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	GE Fanuc Series 90-30
Interface role	converting the Series 90-30 SNP programmer interface to an RS-232 connection
Field / power context	documented GE Fanuc Series 90-30 installation
Commissioning evidence	Identity, wiring, configuration, diagnostics and controlled response recorded

INSTALLATION AND CONNECTION CHECKS

- 1

Confirm the complete HE693SNP232A marking and the documented Series 90-30 SNP-to-RS-232 Adapter execution.
- 2

Place the machine, controller and affected process in the approved maintenance state.
- 3

Isolate all hazardous energy and prove the safe state before disconnecting hardware.
- 4

Record the installed position, every terminal or port, and the active engineering configuration.

Technical Specifications

Technical values below are limited to the named product record and directly applicable manufacturer documentation.

PARAMETER	VALUE	PARAMETER	VALUE
Product designation	SNP-to-RS-232 adapter	RS-232 receive data	Pin 3
PLC interface	15-pin SNP connector	RS-232 signal ground	Pin 5
Serial interface	9-pin RS-232 connector	RS-232 clear to send	Pin 7
Installation	Plugs directly into the PLC programmer port	RS-232 request to send	Pin 8
Power source	PLC programming port	SNP signals	Differential TXD, RXD, CTS and RTS pairs
Maximum power demand	100 mA at 5 V DC	Exact suffix evidence	HE693SNP232A listed in Horner MAN0051
PC cable	Straight-through 1:1 PC/AT cable	Adapter data sheet	Horner MAN0079-06
RS-232 transmit data	Pin 2		

RELATED PRODUCT PAGES

1General Electric IC660BBA106

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5General Electric IC660BBD100

6General Electric IC660BBD101

7General Electric IC660BBD024

8General Electric IC660BBD110

9General Electric IC660BBD120

ENGINEERING BOUNDARY

Confirm HE693SNP232A, its exact GE Fanuc Series 90-30 host, power source, installed position, interfaces, configuration, diagnostics and controlled acceptance evidence before release.

PRE-INSTALLATION CHECKS

- 1

Confirm the complete HE693SNP232A marking and the documented Series 90-30 SNP-to-RS-232 Adapter execution.
- 2

Place the machine, controller and affected process in the approved maintenance state.
- 3

Isolate all hazardous energy and prove the safe state before disconnecting hardware.
- 4

Record the installed position, every terminal or port, and the active engineering configuration.

Applications and Engineering Context

Series 90-30 programming

Connects an RS-232 programming device to the documented PLC programmer port.

SNP diagnostics

Provides the physical conversion path for controlled serial troubleshooting.

Legacy workstation connection

Supports a documented straight-through PC/AT serial cable.

Adapter replacement

Restores the exact port, cable and handshaking assignments before communication testing.

TECHNICAL NOTE

Install HE693SNP232A only in the documented GE Fanuc Series 90-30 position and preserve its exact wiring, interfaces and configuration. After controlled energization, verify diagnostics and converting the Series 90-30 SNP programmer interface to an RS-232 connection before service release.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	HE693SNP232A recorded
Host / carrier	GE Fanuc Series 90-30
Physical interface	Installed terminals, ports and signal paths matched to the as-found record
Configuration	Approved hardware and engineering configuration restored
Functional proof	Controlled test confirms converting the Series 90-30 SNP programmer interface to an RS-232 connection

IMPORTANT NOTICE

Confirm HE693SNP232A, its exact GE Fanuc Series 90-30 host, power source, installed position, interfaces, configuration, diagnostics and controlled acceptance evidence before release.

Related Products and Source Record

Brand-qualified Apter Power navigation links are provided for system planning only; manufacturer evidence remains the named source record.

RELATED PRODUCTS ON APTER POWER

1

General Electric IC660BBA106

View General Electric IC660BBA106 page

2

General Electric IC660BBD020

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3

General Electric IC660BBD021

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General Electric IC660BBD023

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General Electric IC660BBD120

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MANUFACTURER SOURCE RECORD

Horner APG HE693SNP232 adapter data sheet MAN0079-06 and Series 90-30 CPU manual MAN0051 | Official manufacturer evidence verified 30 September 2026

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RECOMMENDATION SCOPE

These links support product navigation and comparison. Technical values in this document are sourced only from the manufacturer record above.