

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.

PRODUCT SNAPSHOT

BRAND

General Electric

FAMILY

GE Fanuc Series 90-30

PART

HE693SNP232A

DOCUMENT STATUS

Controlled engineering copy

APTER POWER

WHATSAPP / PHONE

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WEBSITE

www.apterpower.com



PRODUCT OVERVIEW

General Electric HE693SNP232A provides converting the Series 90-30 SNP programmer interface to an RS-232 connection in a documented GE Fanuc Series 90-30 installation.

 15-pin SNP PLC connector

 9-pin RS-232 device connector

 Port-powered at 5 V DC

 Straight-through PC/AT cable support

RELATED APTER POWER PAGES

1

General Electric DS200SDCIG1AFB

2

General Electric IS400JPDHG1A

3

General Electric IS200EMIOH1AFB

4

General Electric IS200TBAIH1CCC

5

General Electric ICRXIBN7M000A-BA

6

General Electric MIVII1000E00HI00

7

General Electric IS215WETAH1A

8

General Electric IC200ALG620

9

General Electric IC693PWR331D

SYSTEM COMPONENTS

DOCUMENTED COMPONENT	ROLE IN SYSTEM
HE693SNP232A adapter	Series 90-30 programmer port
9-pin RS-232 connection	Configured PC/AT serial device

ENGINEERING CONTEXT

The component remains matched to its documented cabinet position, power source, interfaces and approved engineering configuration. Commissioning restores that architecture and verifies the affected control or communication function under controlled conditions.

TECHNICAL DATA

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		

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1General Electric DS200SDCIG1AFB

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3General Electric IS200EMIOH1AFB

4General Electric IS200TBAIH1CCC

5General Electric ICRXIBN7M000A-BA

6General Electric MIVII1000E00HI00

7General Electric IS215WETAH1A

8General Electric IC200ALG620

9General Electric IC693PWR331D

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.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

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.

PRODUCT PRECAUTIONS

1

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

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.

5

Verify the exact electrical, interface and environmental limits in the manufacturer evidence.

6

Restore protective earth, shielding, wiring, communications and the approved project or

7

Energize under control and review all device, rack, network and process diagnostics.

8

Complete a controlled functional test of converting the Series 90-30 SNP programmer interface to an RS-232

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ENGINEER FAQ

Q1 **What exact interface conversion does HE693SNP232A provide?**

HE693SNP232A converts the Series 90-30 SNP programmer interface to a 9-pin RS-232 connection.

Q2 **Where is HE693SNP232A installed on a Series 90-30 PLC?**

The 15-pin SNP connector plugs directly into the programmer port on the CPU rack power supply.

Q3 **How is HE693SNP232A powered?**

The adapter receives power from the PLC programming port and draws no more than 100 mA at 5 V DC.

Q4 **Which cable is used between HE693SNP232A and a PC/AT serial port?**

The official adapter data sheet specifies a direct straight-through 1:1 RS-232 cable.

Q5 **Which HE693SNP232A RS-232 pins carry transmit and receive data?**

Transmit data is on pin 2 and receive data is on pin 3 of the 9-pin connector.

Q6 **Which HE693SNP232A pins are used for ground and handshaking?**

Signal ground is pin 5, clear to send is pin 7 and request to send is pin 8.

Q7 **What should be recorded before replacing HE693SNP232A?**

Record the PLC port, adapter orientation, RS-232 cable, connected device settings and the successful SNP communication baseline.

Q8 **Which official records support the HE693SNP232A page?**

Horner MAN0079-06 documents the HE693SNP232 adapter and MAN0051 explicitly lists the HE693SNP232A part number for Series 90-30 serial conversion.

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9 General Electric IC693PWR331D

SOURCE 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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