MIVII1000E00HI00

General Electric / MIV II Digital Voltage Protection Relay

GE MIVII1000E00HI00 is a configurable MIV II voltage protection relay for an engineered power-system protection panel. Its selected input and auxiliary-supply ranges must match the installed sensing and control circuits.

Overview

The MIV II 1000 execution applies programmable voltage protection to the measured circuit. An engineer sets pickup, delay and output mapping for the protected equipment, then tests the complete trip path as part of the panel commissioning record.

The selected voltage input is the 10–250 V option. The HI auxiliary supply accepts the documented high-range dc or ac supply; these are different circuits and must not be interchanged with the measurement input. Local indications and relay outputs support panel operation and alarm or trip integration.

Technical specification matrix

Relay family	MIV II
Protection execution	MIV II 1000 voltage functions
Voltage-input option	10–250 V
High-range auxiliary supply	110–250 V dc or 110–230 V ac nominal
Supply operating range	88–300 V dc or 88–264 V ac
Power demand	15 W maximum
Front service interface	RS-232
Rear communication	RS-485, Modbus RTU
Local display	Two-line, 16-character LCD
Output relays	Six Form-C contacts

Applications and system fit

Generator and transformer panels
Apply voltage protection where the approved single-line and relay-setting study call for MIV II 1000 functions.

Bus voltage supervision
Monitor the designated sensing circuit and coordinate alarm or trip thresholds with other protection devices.

SCADA integration
Expose configured indications and events over the documented rear RS-485 Modbus RTU interface.

Existing-relay replacement
Use the same voltage-input and auxiliary-supply selections, and restore the validated settings file and terminal mapping.

Product precautions

Separate the two voltage circuits
Trace the voltage-transformer input separately from the relay auxiliary supply before wiring.

Capture settings
Save element thresholds, timing, logic, output assignments and communications parameters.

Check transformer polarity
Confirm the installed measurement wiring and burden under the protection drawing.

Inspect trip contacts
Verify contact ratings and the actual alarm or trip circuit before energization.

Source and application boundary

GE Vernova MIV II Digital Voltage and Frequency Relay brochure, model-selection table and technical data.

The listed voltage-input and supply ranges are decoded from the MIV II 1000/E/0/HI order positions; the installed wiring, configuration and remaining suffixes must be matched to the offered nameplate.

Related product references

Separate product listings for project review; confirm each order code and system fit independently.

General Electric DS200CTBAG1ADD

General Electric IS215UCVEH2AE

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Send the complete model and installed-system details when requesting a quotation.