

INDUSTRIAL AUTOMATION PRODUCT

750-P5-G5-HI-A1-R-E

Multilin 750 feeder management relay

It protects, controls, meters and monitors an industrial feeder while recording fault, event and waveform information.

IDENTITY	VERIFIED VALUE
Manufacturer	GE
System family	GE Multilin 750 feeder protection system
Part number	750-P5-G5-HI-A1-R-E
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
Base relay	750 feeder management relay
Phase current inputs	5 A
Zero-sequence current input	5 A
Control power DC	88-300 V DC
Control power AC	70-265 V AC
AC supply frequency	48-62 Hz
Analog outputs	8 channels, 0-1 mA
Breaker-closed LED	Red
Display execution	Enhanced display
Electromechanical outputs	8
High-speed SCR outputs	1
Contact inputs	14
Serial inputs	20
Front communication	RS-232
Rear communication	Two RS-485/RS-422 ports
Serial data rate	300-19200 bit/s
Event recorder depth	512 events
Waveform sampling	16 samples/cycle

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System Role and Architecture

It protects, controls, meters and monitors an industrial feeder while recording fault, event and waveform information.

FUNCTION 1
Uses 5 A phase and zero-sequence current inputs

FUNCTION 2
Provides feeder protection and breaker control logic

FUNCTION 3
Includes eight 0-1 mA transducer outputs

FUNCTION 4
Records events and oscillographic waveforms for diagnosis

Matched system components

- three phase and one zero-sequence current transformer circuits
- breaker trip and close circuits
- station control-power source
- serial supervisory or engineering connection

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	three phase and one zero-sequence current transformer circuits
Companion hardware	breaker trip and close circuits
Field connection	station control-power source
Primary system function	Uses 5 A phase and zero-sequence current inputs
Controlled acceptance duty	Industrial feeder protection

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Applications and Engineering Context

Industrial feeder protection

Uses 5 A phase and zero-sequence current inputs

Breaker control and interlocking

Provides feeder protection and breaker control logic

Feeder metering and demand monitoring

Includes eight 0-1 mA transducer outputs

Post-fault event and waveform analysis

Records events and oscillographic waveforms for diagnosis

TECHNICAL NOTE

Isolate CT and breaker-control circuits using the approved protection procedure, preserve the P5/G5 input configuration and HI power source, then prove trip, close, metering and event-recording functions before service.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	750-P5-G5-HI-A1-R-E / 750-P5-G5-HI-A1-R-E recorded
Physical interface	three phase and one zero-sequence current transformer circuits
Companion check	breaker trip and close circuits
Functional proof	Uses 5 A phase and zero-sequence current inputs
Application test	Industrial feeder protection

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Engineering Precautions

- 1 Verify the complete 750-P5-G5-HI-A1-R-E marking and its documented GE Multilin 750 feeder protection system position before field work.
- 2 Place the connected equipment in the approved maintenance state before removing 750-P5-G5-HI-A1-R-E.
- 3 Isolate every applicable power, signal and stored-energy source, then prove a safe state at 750-P5-G5-HI-A1-R-E.
- 4 Record the installed connectors, terminals, jumpers and channel or node assignments before disconnection.
- 5 Use ESD controls and protect keyed interfaces, edge connectors and exposed electronic assemblies.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
IC755CSW07CDA	Related GE product	View IC755CSW07CDA page
IS215VPROH2BC	Related GE product	View IS215VPROH2BC page
IC695ALG616	Related GE product	View IC695ALG616 page
IC695ACC412	Related GE product	View IC695ACC412 page
IC695ALG600	Related GE product	View IC695ALG600 page
IS210AEBIH3BEC	Related GE product	View IS210AEBIH3BEC page
IC695PSD040	Related GE product	View IC695PSD040 page
IC660BRD020	Related GE product	View IC660BRD020 page

MANUFACTURER SOURCE RECORD

GE Multilin 750/760 Feeder Management Relay documentation

GER-4042; 750/760 brochure

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