General Electric 369-HI-R-0-0-0-0-E

Installation & Commissioning | field workflow

Use this guide to prepare, fit, test and document the offered 369-HI-R-0-0-0-0-E within its actual installed system.

Exact offered identity	369-HI-R-0-0-0-0-E
Engineering role	Motor Management Relay
Installed-system reference	GE Multilin 369 motor management

Before work starts

The complete order code appears as an example in the 369 manual. HI, R and E are confirmed options; all four zero positions omit the corresponding optional packages. The actual firmware and configured motor protection settings remain installation-specific.

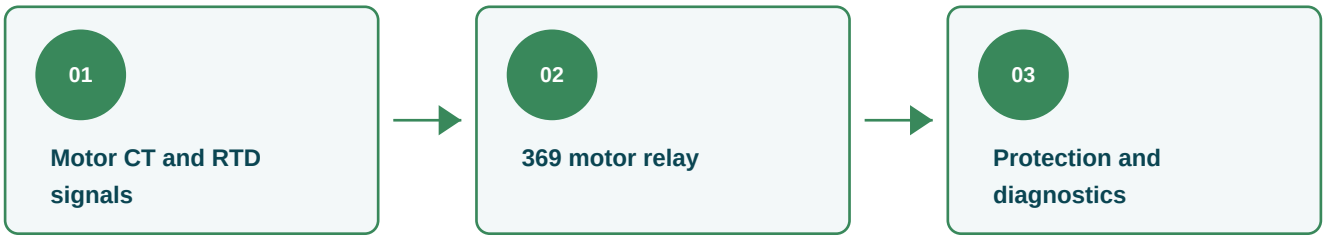
Record first

Send the complete 369-HI-R-0-0-0-0-E marking, installed revision, quantity and system configuration with your enquiry.

Work package

Relay family	369 Motor Management Relay
Control supply	HI: 50-300 V DC or 60-265 V AC
Built-in RTD inputs	R: 12
Metering/backspin option	0: neither optional package

Engineering path



02 Pre-installation readiness

STEP	ACTION	ACCEPTANCE
01	Protect CT circuits	Use the approved CT shorting/isolation procedure before disturbing current wiring, and verify ratio and polarity after work.
02	Match HI control power	Check the actual panel supply is inside 50–300 V DC or 60–265 V AC before energizing; do not use a LO relay's supply assumption.
03	Identify all RTD loops	Map each connected sensor to its motor location and chosen RTD type. Check lead continuity, sensor response and alarm assignment channel by channel.
04	Preserve motor settings	Export settings and record firmware, thermal model, CT ratios, RTD types, trip delays and output logic before replacement.

Companion and host check

Confirm the relay and its actual terminal/accessory set in the quotation; CTs, RTD sensors and the motor starter are separate unless explicitly included.

Review sequence



03 Fit and interface

Motor thermal protection

Combine the configured motor thermal model with winding, bearing or auxiliary RTD measurements to supervise temperature-related limits.

Starter trip coordination

Connect the programmed alarm and trip outputs to the installed starter logic, proving each action under the site's protection test plan.

Condition event review

Use enhanced learned data, motor health information and event records to investigate starts, thermal loading and abnormal trips.

Local maintenance access

Review motor status and alarm conditions at the enhanced faceplate while preserving the as-left firmware and setting record.

Motor protection relationship

Configure current-transformer ratios, motor thermal model, trip contacts and RTD inputs for the actual starter and motor. The R option supplies twelve built-in RTD channels; sensor type is selected in software.

Review sequence



04 Commission and prove

STEP	ACTION	ACCEPTANCE
01	Respect omitted options	Do not plan optional metering/backspin, fiber, protocol or harsh-environment functions for the zero-coded positions.
02	Prove starter response	Test the intended trip/alarm outputs and breaker or contactor response in a controlled condition; restore the site-approved protection state.
03	Record the functional result	Verify HI supply, CT inputs, each used RTD, alarm/trip logic, enhanced indications and the starter response under a controlled commissioning procedure.

Option boundary

The four zero positions omit the optional metering/backspin package, fiber port, protocol interface and harsh-environment package. The E suffix adds enhanced diagnostics and faceplate functions.

05 Handover and replacement record

How can the enhanced diagnostics of 369-HI-R-0-0-0-0-E support fault review?	The E execution adds an enhanced faceplate and diagnostic functions such as motor-health information, learned data, start logging and expanded event records, subject to installed firmware. Record the firmware revision and correlate events with motor operation before changing protection settings.
How should RTD faults be checked on 369-HI-R-0-0-0-0-E?	Verify sensor type, loop wiring and channel assignment first. Compare temperature readings against the motor's known operating condition and investigate open, shorted or misassigned loops before changing trip thresholds.

Can 369-HI-R-0-0-0-0-E be swapped without restoring settings?	No. Preserve the original firmware and settings, including CT ratios, thermal model, RTD types and trip-output mapping; compare the restored configuration with the motor protection study and test the starter interface.

Acceptance note

Log the fitted marking, firmware or board revision where present, wiring changes, test results and the approved plant configuration. The complete order code appears as an example in the 369 manual. HI, R and E are confirmed options; all four zero positions omit the corresponding optional packages. The actual firmware and configured motor protection settings remain installation-specific.



Discuss the complete model and fitted revision with Apter Power.
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Technical basis: GE Multilin 369 Motor Management Relay Instruction Manual, 369man-bx

Other General Electric references

Catalog navigation only; confirm each complete model for its own installation.

General Electric 750-P5-G5-S5-HI-A1-R-E	View product reference
General Electric 750-P5-G5-S5-HI-A20-R-E	View product reference
General Electric IC754VGI06STD	View product reference