General Electric IC754VSI06STD-KH

01 Plan the controlled replacement

Work boundary

GE IC754VSI06STD-KH gives machine operators a dedicated touch surface for viewing process states and entering controlled commands through a QuickPanel View application. Retain the full QuickPanel View application as the configuration record. During acceptance, test the data path independently from touch response and display quality.

Preparation sequence

01	Confirm the installed marking is IC754VSI06STD-KH.
02	Record the normal indication, diagnostic state and connected path.
03	Back up the applicable project, program, wiring record or terminal map.
04	Identify every supply, reference, communication and field connection.
05	Place affected machine functions in the approved maintenance state.
06	Define the functional and fault-response tests before removal.

Technical data to retain

Item	Installed requirement
Product family	QuickPanel View
Interface class	Operator interface
Display class	6-inch STN touch
Operator input	Touch-screen controls
Data presentation	Numeric values and graphical status
Alarm function	Alarm display and acknowledgement
Graphic functions	Symbols and animated objects
Selection controls	List and drop-down objects

Do not copy a nearby configuration

A visually similar product can use different capacity, channel organization, terminal access or communication settings. Use the exact model and recorded machine position.

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02 Disconnect, inspect and install

Pre-installation controls

Step	Control
1	Export the existing HMI project before removing the installed panel.
2	Record the controller address, protocol and communication path.
3	Capture alarm classes, acknowledgement behavior and command permissions.
4	Confirm that every displayed value is linked to the intended controller tag.
5	Check touch response across the full active display after mounting.
6	Verify normal and communication-loss indications with controlled tests.

Connection records

Identity
Photograph and label each connection before removal.

Electrical path
Record polarity, reference and protective-device arrangement.

Configuration
Retain the approved software, card, module or terminal assignment.

Mechanical fit
Inspect seating, keying and connector condition without forcing parts.

Inspection before energization

Correct bent contacts, damaged conductors, loose terminals, contamination or incorrect keying before interpreting any response as a product fault.

Applicable interface values

Interface	Value	Check
Product family	QuickPanel View	Confirm the installed product family agrees with this exact configuration.
Interface class	Operator interface	Confirm the installed interface class agrees with this exact configuration.

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03 Configure and verify operation

Functional test sequence

01	Energize only under the approved controlled condition.
02	Confirm the initial status before issuing commands or applying a signal.
03	Test one channel, object, terminal group or network path at a time.
04	Compare the internal indication with the actual field response.
05	Check the intended diagnostic or alarm behavior.
06	Repeat for every affected function before clearing maintenance controls.

Acceptance observations

Test	Action	Expected result
Identity	Confirm General Electric IC754VSI06STD-KH.	Complete marking matches the selected record.
Power or passive path	Verify the applicable supply or isolated wiring condition.	No polarity, potential or isolation fault is present.
Configuration	Restore the approved project, module pairing or terminal assignment.	Hardware and stored settings agree.
Functional response	Apply a controlled input, command or communication change.	The intended indication and output path respond.
Fault response	Introduce only the approved diagnostic or interruption test.	The configured status and safe response are visible.
Release	Remove test states and compare the final condition with the baseline.	Normal operation is stable and recorded.

Separate the stages

A correct display or status LED does not prove the downstream field path. Likewise, a physical output does not prove that diagnostics, alarms or retained configuration are correct.

Configuration record

Retain the full QuickPanel View application as the configuration record. During acceptance, test the data path independently from touch response and display quality.

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04 Troubleshoot by technical symptom

Symptom-led checks

Observed condition	Investigation
No expected response	Trace the source, connection and configured destination before replacing hardware.
Wrong value or state	Compare the exact technical selection, channel identity and retained project data.
Intermittent behavior	Inspect seating, terminal security, signal reference and environmental condition.

Questions 1–4

Which display technology does GE IC754VSI06STD-KH use?
It uses a 6-inch STN touch display within the QuickPanel View intermediate operator-interface family.

How does GE IC754VSI06STD-KH present changing machine values?
The HMI project can combine numeric values, graphical symbols and animated objects so the operator can interpret process state on one screen.

Can GE IC754VSI06STD-KH acknowledge configured alarms?
Yes. Alarm presentation and acknowledgement are HMI functions, but the exact alarm list and permissions come from the retained application project.

What should be backed up before replacing GE IC754VSI06STD-KH?
Back up the complete HMI application, communication settings, tag mapping, alarm configuration and any screen-specific command permissions.

Avoid unsupported adjustment

If the result is inconsistent, check identity, interface selection, channel mapping and retained configuration before changing setpoints or editing the project.

Remaining precautions

Check	Requirement
5	Check touch response across the full active display after mounting.
6	Verify normal and communication-loss indications with controlled tests.
7	Test each operator command under the approved maintenance state.
8	Release the station only after alarms, trends, navigation and live data are stable.

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05 Return to service and handover

Questions 5–8

Why must touch alignment be checked on GE IC754VSI06STD-KH after installation?
The displayed control and the touch response must correspond at every active screen location; otherwise an operator could select the wrong object.

Which communication check is required for GE IC754VSI06STD-KH?
Confirm that the restored project exchanges live data with the intended controller and that loss-of-communication states are reported correctly.

How should animated objects on GE IC754VSI06STD-KH be tested?
Drive their source tags through known states and confirm each object's color, position or visibility follows the configured logic.

What completes the functional acceptance of GE IC754VSI06STD-KH?
Verify boot, screen navigation, touch commands, displayed values, alarms, controller communication and the configured response to a communication interruption.

Release evidence

Test	Action	Expected result
Fault response	Introduce only the approved diagnostic or interruption test.	The configured status and safe response are visible.
Release	Remove test states and compare the final condition with the baseline.	Normal operation is stable and recorded.

Related General Electric products

- General Electric 8103AI-TX
- General Electric IC697CPM915
- General Electric IC697HSC700
- General Electric IC697MDL340

Handover record

Record the complete model, configuration source, connection map, observed normal state, diagnostic result and the person or procedure that authorized return to service.