IC697MDL240

Isolated AC Input Module / Series 90-70

Sixteen-point isolated 120 VAC input module for independently referenced field input circuits.

CATALOG
IC697MDL240

SIGNAL
120 VAC input

CHANNELS
16 isolated points

INPUT FILTER
20 ms

CONTROL PATH

01 120 VAC field device – **02** Isolated input point – **03** Logic-side status – **04** PLC input reference

EVIDENCE BOUNDARY

Use this exact catalog number and the cited manual. Do not import ratings, wiring or revision claims from a neighboring model.

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Technical data by engineering domain

RATED INPUT

120 VAC, 60 Hz execution documented for the exact catalog number.

POINT ISOLATION

All sixteen input points are isolated so separate AC phases may be used as designed.

INPUT BEHAVIOR

Reactive resistor/capacitor input with IEC type-2 current-voltage characteristics.

FILTER

A 20 ms input filter is documented for the module.

DEVICE COMPATIBILITY

Input characteristics support a broad range of compatible AC proximity switches.

STATUS DISPLAY

Front LEDs show the logic-side ON/OFF status of each input point.

CONFIGURATION

I/O references are assigned in software; the module uses no address jumpers or DIP switches.

REPLACEMENT CONTROL

Match the removable terminal board, point wiring and configured references before energization.

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Where the exact model fits

01 120 VAC field device – 02 Isolated input point – 03 Logic-side status – 04 PLC input reference

ISOLATED AC SENSING

Monitors separately referenced 120 VAC field circuits without combining their commons.

PROXIMITY INPUTS

Receives compatible two-wire or three-wire AC proximity-switch signals.

MACHINE INTERLOCKS

Brings discrete AC limit, permissive or status signals into a Series 90-70 rack.

LEGACY I/O SERVICE

Maintains an established 16-point isolated input allocation during controlled replacement.

SYSTEM BOUNDARY

The host rack, wiring, program and connected devices remain installation-specific acceptance items.

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Eight release checks

STEP 1

Verify IC697MDL240 and the installed hardware revision.

STEP 2

Record configured input references and every terminal assignment.

STEP 3

Identify all AC phases and separately referenced circuits.

STEP 4

Isolate the rack and prove each field conductor de-energized.

STEP 5

Inspect the terminal board, keying and connector condition.

STEP 6

Restore each input to its documented point without commoning phases.

STEP 7

Apply power under the approved procedure and compare LEDs to field state.

STEP 8

Prove all sixteen inputs in the controller before release.

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Traceable evidence and related inventory

MANUFACTURER-AUTHORED SOURCE

GE Fanuc GFK-0375 / GFK-0600 Product Data

RELATED APTER POWER PRODUCT PAGES

IC697BEM711

IC697BEM713

IC697BEM731

QUOTE PREPARATION

Provide the complete IC697MDL240 marking, quantity, condition requirement, destination and any revision or certificate requirement.

RELEASE RECORD

Retain photographs, as-found wiring, saved configuration, diagnostics and controlled functional-test results with the maintenance record.

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