

IC695MDL664

RX3i 16-Point Smart Digital Input Module

Emerson IC695MDL664 is a 16-point 24 VDC positive-logic input module with advanced diagnostics. It provides selectable input filtering for controlled discrete signal acquisition.

PRODUCT SNAPSHOT

BRAND
Emerson

FAMILY
PACSystems RX3i I/O

PART
IC695MDL664

DOCUMENT STATUS
Controlled engineering copy

APTER POWER

WHATSAPP / PHONE

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PRODUCT OVERVIEW

IC695MDL664 provides diagnostic discrete-input monitoring for 24 VDC field signals for a matched PACSystems RX3i I/O installation.

- Exact catalog identity IC695MDL664
- RX3i 16-Point Smart Digital Input Module
- Documented role: diagnostic discrete-input monitoring for 24 VDC field signals
- Controlled installation, diagnostics and functional verification

RELATED APTER POWER PAGES					
1	General Electric 151X1202YE03SA04-IS200STAIH2ADC	2	General Electric IS200TRLYH1BED	3	General Electric MIVII3000E00HI00
4	General Electric IC693CHS397	5	General Electric IC200MDL241	6	General Electric IC697CMM742
7	General Electric IC697CHS790	8	General Electric IC698PSA350	9	General Electric IC695CPE305

SYSTEM COMPONENTS

DOCUMENTED COMPONENT	ROLE IN SYSTEM
Proximity probe	Matched extension cable
Proximitior Sensor	AISI 4140 target

ENGINEERING CONTEXT

The component remains matched to the documented RX3i slot or carrier, terminal assembly, field power and engineering configuration. Commissioning preserves the installed architecture and verifies controlled response.

TECHNICAL DATA

PARAMETER	VALUE
Input points	16
Input type	Advanced diagnostic, positive logic
Nominal voltage	24 VDC
Input voltage range	20 to 30 VDC

PARAMETER	VALUE
Selectable response	0.5 to 100 ms
Backplane consumption	225 mA at 5 VDC; 95 mA at 3.3 VDC
Approvals	UL and Class I Division 2
CEP compatibility	Not supported through IC695CEP001/CEE001

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General Electric IC695CPE305

TECHNICAL NOTE

Install IC695MDL664 only in the documented PACSystems RX3i I/O position. Preserve the as-found terminal, point and configuration records; then verify diagnostics and diagnostic discrete-input monitoring for 24 VDC field signals under controlled conditions.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

PACSystems RX3i planned maintenance

Restores diagnostic discrete-input monitoring for 24 VDC field signals in the documented control

RX3i 16-Point Smart Digital Input Module replacement

Uses exact IC695MDL664 identity instead of an adjacent I/O or CPU execution.

Control-system refurbishment

Preserves the installed slot, terminal block, point map, power and engineering configuration.

Controlled recommissioning

Confirms diagnostics and the affected signal or control function before automatic operation.

PRODUCT PRECAUTIONS

1

Confirm the complete IC695MDL664 marking, module designation and documented RX3i installation position.

2

Place the controller, machine and connected process in the approved maintenance state.

3

Isolate controller and field power, prove the safe state and apply ESD controls before handling.

4

Record the slot, terminal block, every point assignment, common, shield and connected circuit before removal.

5

Verify the official electrical and configuration values documented for IC695MDL664; do not infer adjacent

6

Restore the approved backplane or carrier, terminal block, field power and engineering configuration.

7

Energize in the manufacturer sequence and review CPU, bus, module and channel diagnostics.

8

Complete a controlled signal, output or controller-response test before service release.

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ENGINEER FAQ

Q1 How is IC695MDL664 distinguished from adjacent RX3i catalog numbers?

Match the complete IC695MDL664 marking, the RX3i 16-Point Smart Digital Input Module designation and its recorded slot or carrier position.

Q2 What function is assigned to IC695MDL664 in the documented system?

The module provides diagnostic discrete-input monitoring for 24 VDC field signals in the matched PACSystems RX3i I/O installation.

Q3 What is the official input points for IC695MDL664?

Emerson documents input points as 16; verify that value against the installed execution before work.

Q4 Which input type applies to IC695MDL664?

The official value is Advanced diagnostic, positive logic. Preserve the corresponding power, signal or controller configuration.

Q5 How should the documented nominal voltage be checked on IC695MDL664?

Confirm nominal voltage is 24 VDC and compare the as-found wiring or configuration with the approved record.

Q6 What evidence is needed for the input voltage range of IC695MDL664?

Record the installed condition and verify the official value 20 to 30 VDC during controlled commissioning.

Q7 What must be preserved before replacing IC695MDL664?

Record the slot or carrier, terminal assembly, point assignments, wiring, commons, shields, firmware or configuration state and active diagnostics.

Q8 How is IC695MDL664 accepted after installation?

Restore the documented hardware and point map, review module and controller diagnostics, and perform a controlled test of diagnostic discrete-input monitoring for 24 VDC field signals.

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SOURCE Emerson IC695MDL664 product record and RX3i CEP Manual | Emerson official product and PACSystems documentation, accessed 24 September 2026

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