INDUSTRIAL AUTOMATION PRODUCT

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.

CONTROLLED ENGINEERING COPY

IDENTITY	VERIFIED VALUE
Manufacturer	Emerson
System family	PACSystems RX3i I/O
Part number	IC695MDL664
Document status	Controlled product and system reference

DOCUMENT SCOPE

Exact article identity, official technical data, host matching, installation checks, applications, precautions and controlled acceptance evidence.

MODEL-SPECIFIC ENGINEERING 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.

System Role and Architecture

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.

FUNCTION 1
Exact catalog identity IC695MDL664

FUNCTION 2
RX3i 16-Point Smart Digital Input Module

FUNCTION 3
Documented role: diagnostic discrete-input monitoring for 24 VDC field signals

FUNCTION 4
Controlled installation, diagnostics and functional verification

RELATED APTER POWER PAGES

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

MATCHED SYSTEM COMPONENTS

NO.	DOCUMENTED COMPONENT / ROLE
01	PACSystems RX3i I/O
02	Matched RX3i backplane, carrier or terminal block
03	Documented field wiring, commons, shields and point map
04	Approved controller project and acceptance record

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	PACSystems RX3i I/O
Interface role	diagnostic discrete-input monitoring for 24 VDC field signals
Field / power context	documented PACSystems RX3i backplane or distributed-I/O position
Commissioning evidence	Identity, electrical interfaces, configuration, diagnostics and controlled functional response recorded

INSTALLATION AND CONNECTION CHECKS

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.

Technical Specifications

Technical values below are limited to the named product record and directly applicable manufacturer documentation.

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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ENGINEERING BOUNDARY

Confirm IC695MDL664, the complete RX3i host, hardware revision, slot, terminal block, field power, wiring, grounding, shielding, configuration, diagnostics and controlled acceptance evidence before release.

PRE-INSTALLATION CHECKS

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.

Applications and Engineering Context

PACSystems RX3i planned maintenance

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

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.

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.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	IC695MDL664 recorded
Host / carrier	PACSystems RX3i I/O
Physical interface	Installed terminal assembly, field power and point assignments matched to the as-found record
Configuration	Approved hardware, firmware and engineering configuration restored
Functional proof	Controlled test confirms diagnostic discrete-input monitoring for 24 VDC field signals

IMPORTANT NOTICE

Confirm IC695MDL664, the complete RX3i host, hardware revision, slot, terminal block, field power, wiring, grounding, shielding, configuration, diagnostics and controlled acceptance evidence before release.

Related Products and Source Record

Brand-qualified Apter Power navigation links are provided for system planning only; manufacturer evidence remains the named source record.

RELATED PRODUCTS ON APTER POWER

1. **General Electric IC693CHS397**
   View General Electric IC693CHS397 page
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MANUFACTURER SOURCE RECORD

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

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RECOMMENDATION SCOPE

These links support product navigation and comparison. Technical values in this document are sourced only from the manufacturer record above.