IC695MDL664

RX3i 16-Point Smart Digital Input Module

CONTROLLED ENGINEERING COPY

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.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	IC695MDL664
Manufacturer	Emerson
System family	PACSystems RX3i I/O
Record scope	Installation, application and verification

1 PLAN — 2 ISOLATE — 3 CONNECT — 4 CONFIGURE — 5 TEST

APTER POWER SALES TEAM

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01 PRE-INSTALLATION PLAN

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 catalog executions.

MATCHED HARDWARE

- IC695MDL664 with complete catalog identity
- Matched RX3i backplane or carrier
- Documented terminal block and field interfaces
- Approved project, diagnostics and acceptance record

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	IC695MDL664 recorded
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

02 WIRING & INTERFACE CHECKS

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

RELATED PRODUCT PAGES

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

FIELD NOTE

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

03 COMMISSIONING WORKFLOW

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

COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	IC695MDL664
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

04 RETURN-TO-SERVICE RECORD

- [ ] Verify the official electrical and configuration values documented for IC695MDL664; do not infer adjacent catalog executions.
- [ ] Restore the approved backplane or carrier, terminal block, field power and engineering configuration.
- [ ] Energize in the manufacturer sequence and review CPU, bus, module and channel diagnostics.
- [ ] Complete a controlled signal, output or controller-response test before service release.

VERIFICATION RECORD

PRODUCT IDENTITY	IC695MDL664
INSTALLED POSITION	Documented PACSystems RX3i slot or distributed-I/O carrier position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

FUNCTIONAL ACCEPTANCE CHECKLIST

- [ ] Verify the official electrical and configuration values documented for IC695MDL664; do not infer adjacent catalog executions.
- [ ] Restore the approved backplane or carrier, terminal block, field power and engineering configuration.
- [ ] Energize in the manufacturer sequence and review CPU, bus, module and channel diagnostics.
- [ ] Complete a controlled signal, output or controller-response test before service release.

SOURCE IDENTIFIERS

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