Emerson KJ4001X1-CH1 12P1811X032

Complete Product Information

Emerson KJ4001X1-CH1 12P1811X032 is a rtd/resistance terminal block for two-, three- or four-wire resistance-temperature measurement in the DeltaV M-series I/O subsystem.

WHAT THIS PRODUCT DOES

Emerson KJ4001X1-CH1 12P1811X032 is a rtd/resistance terminal block for two-, three- or four-wire resistance-temperature measurement in the DeltaV M-series I/O subsystem.

Product characteristic 1

Terminates eight resistance or RTD input circuits.

Product characteristic 2

Supports two-, three- and four-wire sensor connections.

Product characteristic 3

Preserves lead-compensation wiring at the terminal interface.

Product characteristic 4

Uses C3 keying with the matched RTD card.

PRODUCT-PAGE TECHNICAL SNAPSHOT

Component type	RTD/resistance terminal block
Input family	8-channel RTD
Sensor wiring	2-wire, 3-wire or 4-wire
Supported measurements	Resistance and configured RTD types
Card key	C3
System family	DeltaV M-series Traditional I/O

IMPORTANT NOTICE

Match the complete KJ4001X1-CH1 12P1811X032 marking and documented interfaces before installation, then verify the intended technical response.

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Scan the approved WhatsApp code for model-specific support.

Features and technical data

TECHNICAL DATA SHOWN ON THE PRODUCT PAGE

Component type	RTD/resistance terminal block
Input family	8-channel RTD
Sensor wiring	2-wire, 3-wire or 4-wire
Supported measurements	Resistance and configured RTD types
Card key	C3
System family	DeltaV M-series Traditional I/O

FEATURE INTERPRETATION

Product identity

Terminates eight resistance or RTD input circuits.

System role

Supports two-, three- and four-wire sensor connections.

Service context

Preserves lead-compensation wiring at the terminal interface.

Return-to-service focus

Uses C3 keying with the matched RTD card.

SIGNAL OR CONTROL PATH

RTD element → **Field terminals** → **RTD input module** → **Ovation controller**

KJ4001X1-CH1 12P1811X032 must remain matched to its documented system interface, mating hardware and controlled configuration.

PRODUCT-PAGE TECHNICAL QUESTIONS

Which component type applies to KJ4001X1-CH1 12P1811X032?	The documented component type is RTD/resistance terminal block.

Common applications

The application groups below reproduce the model-specific uses presented on the product page and connect each use to a practical verification point.

Bearing temperature

Connects RTDs used for rotating-equipment thermal monitoring.

Process vessel temperature

Acquires resistance-temperature measurements.

Motor winding temperature

Terminates multiwire RTD circuits.

Resistance measurement

Supports configured resistance inputs for industrial sensors.

APPLICATION VERIFICATION MAP

Bearing temperature	Confirm the documented system position and the required operating function.
Process vessel temperature	Compare the restored connection or control path with the approved record.
Motor winding temperature	Check the physical interface and the retained configuration before startup.
Resistance measurement	Record diagnostics and the final controlled response before release.

INFORMATION CARRIED INTO THE WORK RECORD

Identity record

Complete marking and assigned system position.

Connection record

Connector, conductor and interface arrangement as found.

Configuration record

Controlled settings, application data and option state.

Acceptance record

Observed status, response and release decision.

IMPORTANT NOTICE Use the complete product identifier for every application review; a related product link is not evidence of interchangeability.

APPLICATION QUESTIONS

What sensor wiring should be checked on KJ4001X1-CH1 12P1811X032?	The documented sensor wiring is 2-wire, 3-wire or 4-wire.
Why does supported measurements matter when selecting KJ4001X1-CH1 12P1811X032?	The documented supported measurements is Resistance and configured RTD types.
Where does KJ4001X1-CH1 12P1811X032 use its stated card key?	The documented card key is C3.

Product precautions and questions

EIGHT MODEL-SPECIFIC PRECAUTIONS

01	Match both identifiers and C3 keying.
02	Record the wire count and terminal assignment for every RTD.
03	Do not interchange lead-compensation conductors.
04	Remove loop excitation before changes.
05	Inspect terminals for oxidation or loose strands.
06	Restore sensor type and wiring mode.
07	Check each channel with a traceable resistance source.
08	Confirm values, open-sensor diagnostics and alarms before release.

FREQUENTLY ASKED TECHNICAL QUESTIONS

Which component type applies to KJ4001X1-CH1 12P1811X032?	The documented component type is RTD/resistance terminal block.
How is KJ4001X1-CH1 12P1811X032 specified for input family?	The documented input family is 8-channel RTD.
What sensor wiring should be checked on KJ4001X1-CH1 12P1811X032?	The documented sensor wiring is 2-wire, 3-wire or 4-wire.
Why does supported measurements matter when selecting KJ4001X1-CH1 12P1811X032?	The documented supported measurements is Resistance and configured RTD types.

IMPORTANT NOTICE	Confirm the complete KJ4001X1-CH1 12P1811X032 identity, mating interface and controlled system position before return to service.

RELEASE CHECKLIST

Identity accepted	The complete product marking and assigned system position agree.
Interfaces accepted	Connections, retention and controlled configuration match the recorded condition.
Response accepted	Diagnostics and the intended technical response have been documented.

FAQ, configuration control and related models

ADDITIONAL TECHNICAL QUESTIONS

Where does KJ4001X1-CH1 12P1811X032 use its stated card key?	The documented card key is C3.
What value is documented for the system family of KJ4001X1-CH1 12P1811X032?	The documented system family is DeltaV M-series Traditional I/O.
Which records should be retained before removing KJ4001X1-CH1 12P1811X032?	Record the complete marking, installed position, wiring, keying and controlled configuration before removal.
Which acceptance checks should follow installation of KJ4001X1-CH1 12P1811X032?	Verify physical engagement, channel status, diagnostics and the intended signal or communication response before release.

CONFIGURATION CONTROL RECORD

Configuration identity	Emerson KJ4001X1-CH1 12P1811X032
Technical boundary	Apply only the functions and interfaces shown for this product or its identified system family.
Selection control	Match the complete ordering string and installed interfaces before purchase or installation.

RELATED MODELS ON APTERPOWER

Emerson KJ3203X1-BA1 12P3270X032	Related product reference. Review the complete ordering string before selection.
Emerson KJ4001X1-CC1 12P0733X032	Related product reference. Compare the required interface and system position.
Emerson PR6423/004-111 CON041	Related product reference. Confirm the execution independently for the intended task.

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