

KJ3224X1-BK1

S-Series Thermocouple and mV Input Card

Product identification

Emerson KJ3224X1-BK1 is the S-Series Thermocouple and mV Input Card for DeltaV S-Series Traditional I/O. It acquires thermocouple and millivolt field signals through the DeltaV S-series I/O subsystem.

Parameter	Official value
Manufacturer	Emerson
Model	KJ3224X1-BK1
Product Family	DeltaV S-Series Traditional I/O
Product Type	S-Series Thermocouple and mV Input Card

Technical information

Parameter	Official value
Input Type	Thermocouple and millivolt
Terminal Key	C1
Card Series	DeltaV S-series
Local Bus Power	12 VDC at 210 mA
Calibration	Not required
Serviceable Parts	None
Ambient Temperature	-40 to +70 degrees C
Relative Humidity	5 to 95%, non-condensing
Airborne Contaminants	ISA-S71.04 Class G3

Applications

- Measures thermocouple temperature signals in DeltaV process-control systems.
- Acquires low-level millivolt inputs from compatible industrial sensors.
- Supports hazardous-area S-series I/O installations when the documented conditions are met.

Sensor Inputs

- Official documentation specifies input type as Thermocouple and millivolt for this configuration.
- Official documentation specifies terminal key as C1 for this configuration.
- Official documentation specifies card series as DeltaV S-series for this configuration.

Module Service

- Official documentation specifies local bus power as 12 VDC at 210 mA for this configuration.
- Official documentation specifies calibration as Not required for this configuration.
- Official documentation specifies serviceable parts as None for this configuration.

Installation Conditions

- Official documentation specifies ambient temperature as -40 to +70 degrees C for this configuration.
- Official documentation specifies relative humidity as 5 to 95%, non-condensing for this configuration.
- Official documentation specifies airborne contaminants as ISA-S71.04 Class G3 for this configuration.

Selection and installation checks

- Set the matched terminal block to key position c1.
- Remove field and system power before handling.
- Confirm thermocouple type, polarity, and wiring.

Request a quotation
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Product reference
KJ3224X1-BK1
S-Series Thermocouple and mV Input Card



Manufacturer source

<https://www.emerson.com/is/content/emerson/en/systems-and-software/deltav-distributed-control-system-dcs/certificates/atex/kj3224x1-bk1-s-series-thermocouple-mv-input-card.pdf>