

KJ3223X1-BK1

S-Series 16-Channel 4-20 mA HART Analog Input Card

Product identification

Emerson KJ3223X1-BK1 is the S-Series 16-Channel 4-20 mA HART Analog Input Card for DeltaV S-Series Traditional I/O. It acquires sixteen 4-20 mA analog input channels with HART communication.

Parameter	Official value
Manufacturer	Emerson
Model	KJ3223X1-BK1
Product Family	DeltaV S-Series Traditional I/O
Product Type	S-Series 16-Channel 4-20 mA HART Analog Input Card

Technical information

Parameter	Official value
Signal	4-20 mA analog input with HART
Field Circuit	24 VDC at 30 mA per channel
Channels	16
Local Bus Power	12 VDC at 150 mA
Bussed Field Power	24 VDC at 600 mA
Terminal Key	A2
Ambient Temperature	-40 to +70 degrees C
Relative Humidity	5 to 95%, non-condensing
Airborne Contaminants	ISA-S71.04 Class G3

Applications

- Acquires multichannel process-transmitter signals in DeltaV S-series I/O.
- Provides HART access for compatible field transmitters and asset diagnostics.
- Supports approved Zone 2 or Class I Division 2 control-system installations.

Input Channels

- Official documentation specifies signal as 4-20 mA analog input with HART for this configuration.
- Official documentation specifies field circuit as 24 VDC at 30 mA per channel for this configuration.
- Official documentation specifies channels as 16 for this configuration.

Power & Keying

- Official documentation specifies local bus power as 12 VDC at 150 mA for this configuration.
- Official documentation specifies bussed field power as 24 VDC at 600 mA for this configuration.
- Official documentation specifies terminal key as A2 for this configuration.

Operating Limits

- 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 terminal-block rotary keys to a2.
- Remove field and system power before card handling.
- Complete the required loop assessment for energy-limited nodes.

Request a quotation
info@apterpower.com
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Product reference
KJ3223X1-BK1
S-Series 16-Channel 4-20 mA HART Analog
Input Card



Manufacturer source

<https://www.emerson.com/is/content/emerson/en/systems-and-software/deltav-distributed-control-system-dcs/certificates/atex/kj3223x1-bk1-s-series-ai-16-channel-4-20-ma-hart-card.pdf>