

DELTA V S-SERIES CONTROL SYSTEMS

Product Data Sheet

KJ2005X1-SQ1 12P6383X052

DeltaV SQ controller

FUNCTION DeltaV SQ controller	FAMILY DeltaV S-series control systems	ORIGIN United States	WEIGHT 0.40 kg
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DeltaV KJ2005X1-SQ1 12P6383X052 is a DeltaV SQ controller for the DeltaV S-series control systems. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Controller Platform	DeltaV S-series SQ
Local Bus Power	+5 V DC
Maximum Bus Current	1.4 A
Operating Temperature	-40 to +70 °C
Relative Humidity	5 to 95%, non-condensing
Mechanical Shock	10 g half-sine for 11 ms
Low-Frequency Vibration	1 mm peak-to-peak at 2 to 13.2 Hz
High-Frequency Vibration	0.7 g at 13.2 to 150 Hz
Airborne Contaminants	ISA-S71.04 Class G3
Redundancy Architecture	One-to-one controller redundancy

ADDITIONAL PRODUCT DATA

Control Network Interfaces	Primary and secondary Ethernet ports
Electronic Marshalling	CHARM I/O supported

OFFICIAL APPLICATIONS

- Batch Reactors and Blending Process Units: Reactor phase logic execution; Valve permissive coordination
- Mixing and Filling Production Lines: Recipe step sequencing; Filler interlock processing
- Formulation and Clean Utility Units: Equipment phase execution; Utility permissive coordination

SYSTEM COMPATIBILITY

Match KJ2005X1-SQ1 12P6383X052 to the installed DeltaV S-series control systems, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

Manufacturer product-family documentation and exact article identity

<https://www.emerson.com/is/content/emerson/en/systems-and-software/deltav-distributed-control-system-dcs/product-data-sheets/documents/deltav-sq-controller.pdf>

AMIKON PRODUCT SUPPORT

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