Product dashboard

Emerson SLS1508 KJ2201X1-BA1 12P3162X162 identifies a DeltaV SIS logic-solver assembly. Manufacturer documentation confirms KJ2201X1-BA1 as the SLS1508 logic solver and defines its power, environmental and functional-safety boundary.

Exact model	Product type	System family	Functional role
SLS1508 KJ2201X1-BA1 12P3162X162	SIS Logic Solver	DeltaV M-series	DeltaV SIS Logic Solver

PARAMETER	DOCUMENTED VALUE
Complete item marking	SLS1508 KJ2201X1-BA1 12P3162X162
Documented base model	KJ2201X1-BA1
Documented product	SLS1508 SIS Logic Solver
LocalBus power	24 V DC at 1 A
Field power	24 V DC at 4 A maximum
Functional-safety use	Suitable for SIL 3 applications when applied in the approved architecture
Operating temperature	-40 to 70°C
Relative humidity	5 to 95%, non-condensing

Release basis: verify the exact identity, retained host relationship, connected interfaces and controlled functional result.

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SLS1508 KJ2201X1-BA1 12P31

System overview

Within a DeltaV SIS node, the SLS1508 executes the configured safety logic and communicates through the approved SIS architecture. Replacement is an application-controlled activity requiring configuration identity, peer communication and proof-test evidence.

Safety-logic execution

Runs the approved SIS application within the documented DeltaV safety architecture.

Peer and node communication

Maintains the recorded logic-solver identity and approved communication path.

Proof-test support

Provides diagnostic evidence for the site safety lifecycle and test procedure.

Controlled replacement

Requires application download, validation and formal return-to-service authorization.

SYSTEM POSITION	RECORD
Installed identity	SLS1508 KJ2201X1-BA1 12P3162X162
Host relationship	DeltaV M-series
Controlled function	SIL 3 safety-logic execution

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SLS1508 KJ2201X1-BA1 12P31

Technical data map

PARAMETER	VERIFIED VALUE
Complete item marking	SLS1508 KJ2201X1-BA1 12P3162X162
Documented base model	KJ2201X1-BA1
Documented product	SLS1508 SIS Logic Solver
LocalBus power	24 V DC at 1 A
Field power	24 V DC at 4 A maximum
Functional-safety use	Suitable for SIL 3 applications when applied in the approved architecture
Operating temperature	-40 to 70°C
Relative humidity	5 to 95%, non-condensing
Shock	10 g, 11 ms half-sine
Vibration	1 mm peak-to-peak at 2 to 13.2 Hz; 0.7 g at 13.2 to 150 Hz

CONTROL BAND	VERIFICATION RECORD
Identity	Exact model and complete label
Mechanical	Form, seating and retention
Interfaces	Power, wiring, communication and protection
Configuration	Settings, project and revision
Release	SIL 3 safety-logic execution

Technical evidence record: KJ2201X1-BA1 SIS Logic Solver SLS1508, Emerson hazardous-location sheet

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Applications and precautions

1. Confirm the complete Emerson SLS1508 KJ2201X1-BA1 12P3162X162 marking against the receiving record before work.
2. Place the connected process, rack, machinery and control functions in the approved maintenance state.
3. Record the installed position, wiring, terminal hardware, settings and companion components before removal.
4. Isolate every affected electrical and process-energy source and verify the safe state.
5. Protect keyed connectors, terminals and electronics from contamination, strain and electrostatic damage.
6. Restore only the recorded wiring, grounding, shielding, settings and matched companion hardware.
7. Energize in the controlled sequence and review every available module, rack and system diagnostic.
8. Function-test SIL 3 safety-logic execution and retain the signed acceptance result before service release.

Complete each check against the installed record; hold release when any identity, connection, configuration or diagnostic result differs.

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SLS1508 KJ2201X1-BA1 12P31

Buyer and engineering FAQ

What is the documented purpose of Emerson SLS1508 KJ2201X1-BA1 12P3162X162?

Emerson SLS1508 KJ2201X1-BA1 12P3162X162 identifies a DeltaV SIS logic-solver assembly. Manufacturer documentation confirms KJ2201X1-BA1 as the SLS1508 logic solver and defines its power, environmental and

Which product family contains Emerson SLS1508 KJ2201X1-BA1 12P3162X162?

The documented base model belongs to the DeltaV M-series product family.

Which function is documented for Emerson SLS1508 KJ2201X1-BA1 12P3162X162?

For the documented base model, documented product is SLS1508 SIS Logic Solver.

What channel or interface detail applies to Emerson SLS1508 KJ2201X1-BA1 12P3162X162?

For the documented base model, localbus power is 24 V DC at 1 A.

Related Apter Power pages

- Emerson 396P-02-12-55
- Emerson 396P-08-10-55
- Emerson KJ3002X1-BG2 12P1731X062

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