

KJ2201X1-BA1

DeltaV SIS Logic Solver SLS 1508

CONTROLLED ENGINEERING COPY

Place the process in its validated safe state, remove field power before disconnecting the unit, do not service internal parts, restore the approved safety application and complete the required proof test.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	KJ2201X1-BA1
Manufacturer part	KJ2201X1-BA1
Hardware type	KJ2201X1-BA1
System family	DeltaV SIS safety system



APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313
EMAIL sales13@apterpower.com
WEBSITE www.apterpower.com



01 PRE-INSTALLATION PLAN

- 1

Verify the complete KJ2201X1-BA1 marking and the assigned DeltaV SIS safety system position before work.
- 2

Place the connected machine or process in the approved maintenance state before disturbing KJ2201X1-BA1.
- 3

Isolate the applicable power and field energy, then confirm a safe state before disconnecting KJ2201X1-BA1.
- 4

Record connector, conductor, slot and configuration identities before removal of KJ2201X1-BA1.
- 5

Use ESD controls and protect keyed interfaces, exposed contacts and electronic assemblies during handling.

MATCHED HARDWARE

- DeltaV SIS carrier
- Assigned SIS I/O modules
- 24 V DC local-bus supply
- Validated safety application and proof-test record

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	KJ2201X1-BA1 / KJ2201X1-BA1 recorded
Physical interface	DeltaV SIS carrier
Companion check	Assigned SIS I/O modules
Functional proof	Executes the validated SIS application
Application test	Emergency shutdown logic

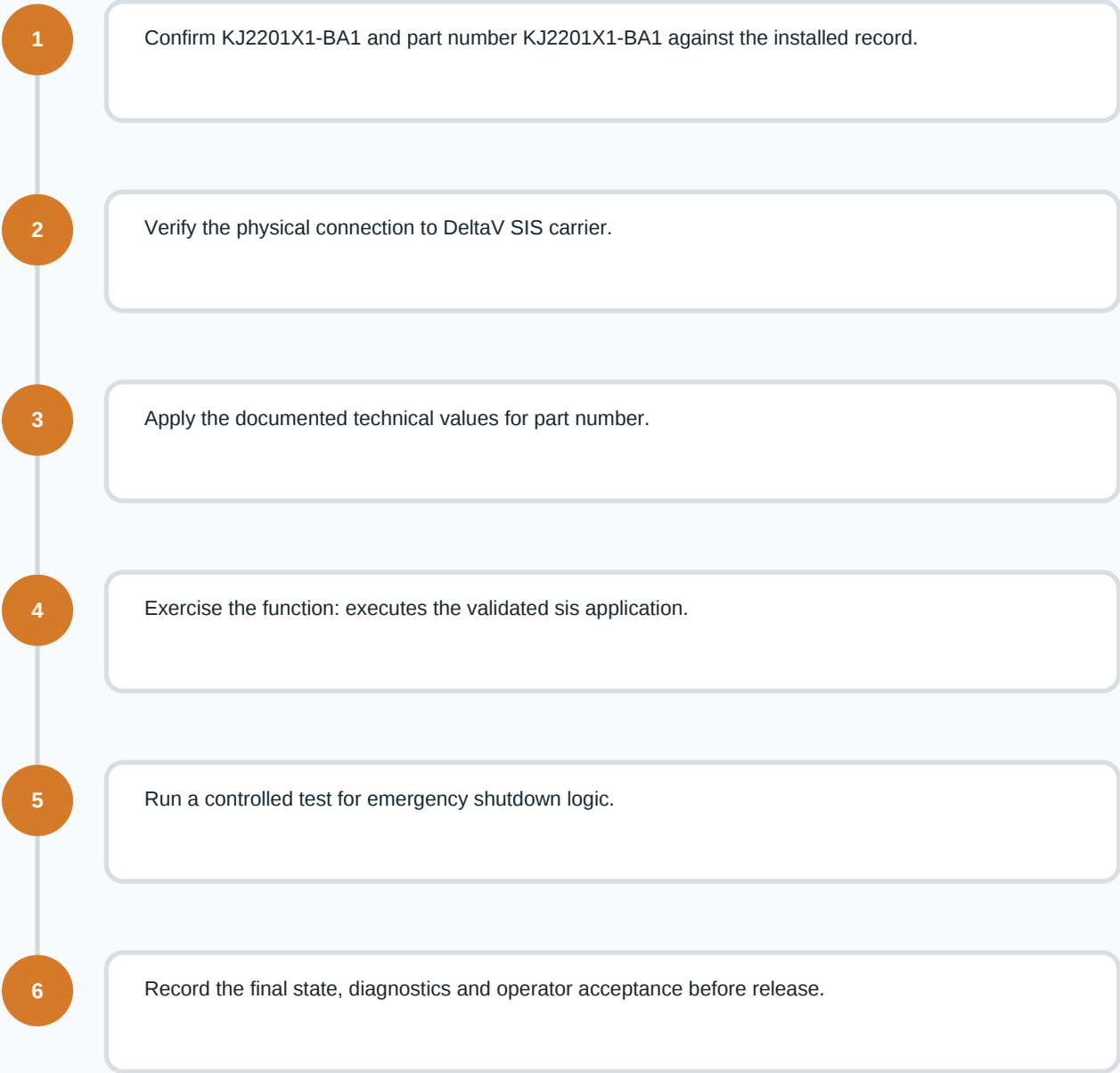
02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Part number	KJ2201X1-BA1
Product designation	SIS Logic Solver SLS 1508
Local bus power	24 V DC at 1 A
Field power	4 A maximum
Ambient temperature	-40 to +70 degC
Shock	10 g half-sine for 11 ms
Vibration; 2 to 13.2 Hz	1 mm peak-to-peak
Vibration; 13.2 to 150 Hz	0.7 g
Airborne contaminants	ISA-S71.04 Class G3
Relative humidity	5 to 95%, non-condensing
ATEX marking	II 3G Ex ec IIC Gc
Functional safety capability	SIL 3

FIELD NOTE

Place the process in its validated safe state, remove field power before disconnecting the unit, do not service internal parts, restore the approved safety application and complete the required proof test.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	KJ2201X1-BA1 / KJ2201X1-BA1 recorded
Physical interface	DeltaV SIS carrier
Companion check	Assigned SIS I/O modules
Functional proof	Executes the validated SIS application
Application test	Emergency shutdown logic

04 RETURN-TO-SERVICE RECORD

- ☐
- Confirm that the installed companion hardware and approved project match the KJ2201X1-BA1 arrangement.
- ☐
- Restore power in a controlled sequence and review device, rack and host diagnostics.
- ☐
- Prove the intended function and retain the final test result before returning KJ2201X1-BA1 to service.
- ☐
- Confirm the intended process response before normal operation.

VERIFICATION RECORD

PRODUCT IDENTITY	KJ2201X1-BA1
INSTALLED POSITION	Documented DeltaV SIS safety system position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
KJ3001X1-BB1-12P0550X142	Related Emerson product	View KJ3001X1-BB1-12P0550X142 page
PR6423-00R-101-CON031	Related Emerson product	View PR6423-00R-101-CON031 page
KJ4001X1-NB1-12P3368X012	Related Emerson product	View KJ4001X1-NB1-12P3368X012 page
KJ4001X1-NA1-12P3373X012	Related Emerson product	View KJ4001X1-NA1-12P3373X012 page
KJ4001X1-CC1-12P0733X042	Related Emerson product	View KJ4001X1-CC1-12P0733X042 page
KJ3101X1-BB1-12P1866X062	Related Emerson product	View KJ3101X1-BB1-12P1866X062 page
KJ3101X1-BA1-12P1865X062	Related Emerson product	View KJ3101X1-BA1-12P1865X062 page
KJ3001X1-BH1-12P0558X152	Related Emerson product	View KJ3001X1-BH1-12P0558X152 page

SOURCE IDENTIFIERS

Emerson ATEX Instruction Sheet for KJ2201X1-BA1
ATEX275; July 2021

APTER POWER SALES TEAM

WHATSAPP / PHONE	+86 180 3023 5313
EMAIL	sales13@apterpower.com
WEBSITE	www.apterpower.com

