

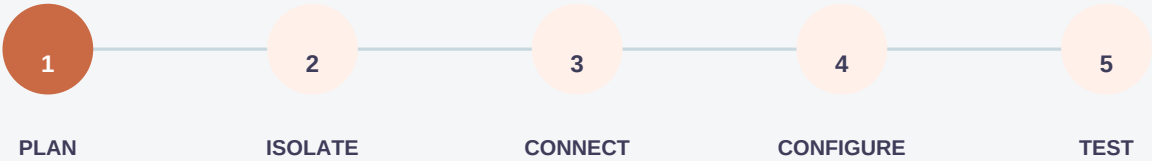
KL4201X1-BA1

DeltaV CHARM Baseplate

CONTROLLED ENGINEERING COPY

Emerson KL4201X1-BA1 is a DeltaV CHARM baseplate for Electronic Marshalling hardware. It distributes the documented CHARM bus and field-circuit power within the approved carrier assembly.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	KL4201X1-BA1
Manufacturer	Emerson
System family	DeltaV Electronic Marshalling
Record scope	Installation, application and verification



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01 PRE-INSTALLATION PLAN

- 1

Verify the complete KL4201X1-BA1 identity and the documented DeltaV CHARM Baseplate execution before work.
- 2

Place the connected process and DeltaV hardware in the approved maintenance state.
- 3

Isolate every documented power, signal and stored-energy source before disconnecting hardware.
- 4

Record the installed carrier position, keyed interfaces, terminals, conductors and active configuration.
- 5

Use ESD controls and protect keyed connectors, electronic contacts and field wiring during handling.

MATCHED HARDWARE

- Emerson KL4201X1-BA1 with complete article identity
- Matched DeltaV Electronic Marshalling host or companion hardware
- Documented power, signal, keyed and protective interfaces
- Approved configuration, diagnostics and acceptance record

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	KL4201X1-BA1 recorded
Physical interface	Installed terminals, conductors and signal paths matched to the as-found record
Configuration	Approved hardware and DeltaV configuration restored
Functional proof	Controlled test confirms baseplate power distribution and CHARM mounting within a DeltaV Electronic Marshalling assembly

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Product designation	CHARM baseplate
CHARM bus	6.3 V DC at 4 A
Field circuit	24 V DC at 10 A
Ambient temperature	-40 to +70 deg C
Shock	10 g half-sine for 11 ms
Vibration, 2-13.2 Hz	1 mm peak-to-peak
Vibration, 13.2-150 Hz	0.7 g
Relative humidity	5 to 95%, non-condensing
Airborne contaminants	ISA-S71.04 Class G3
Energized removal	Not permitted unless the area is known nonhazardous
Maintenance	No user serviceable parts; calibration not required
Hazardous-area marking	ATEX / IECEx Zone 2 component

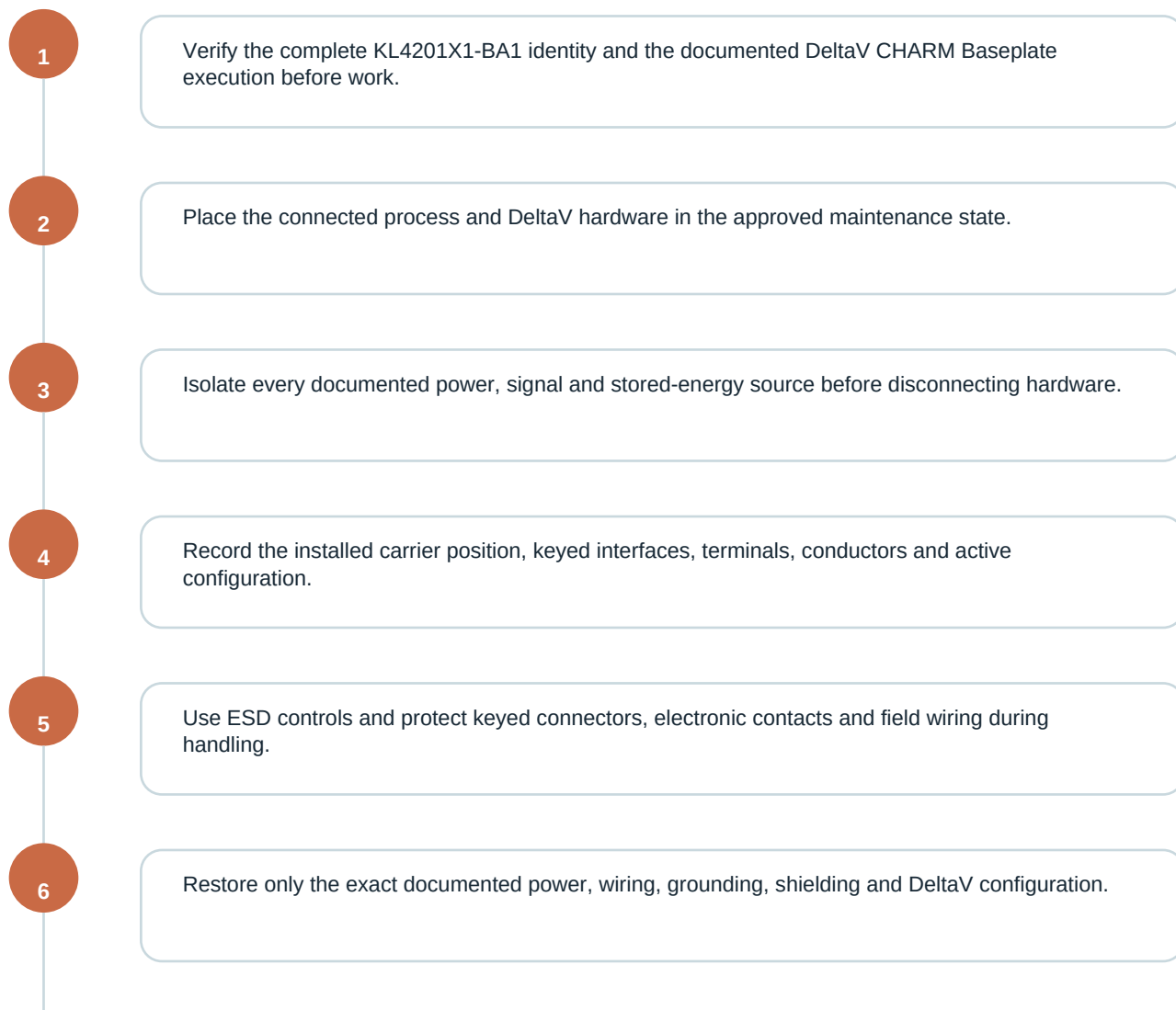
RELATED PRODUCT PAGES

1 Siemens 6SL3246-0BA22-1FA0	2 IC698CPE010	3 IC697MEM715
4 IC752SPL013	5 IC670MDL330	6 IC670MDL331
7 IC670MDL241	8 IC670MDL240	9 IC670MDL233

FIELD NOTE

Confirm KL4201X1-BA1, its exact DeltaV Electronic Marshalling host, installed position, keying, power, wiring, configuration and controlled acceptance evidence before release.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	KL4201X1-BA1
Physical interface	Installed terminals, conductors and signal paths matched to the as-found record
Configuration	Approved hardware and DeltaV configuration restored
Functional proof	Controlled test confirms baseplate power distribution and CHARM mounting within a DeltaV Electronic Marshalling assembly

04 RETURN-TO-SERVICE RECORD

- ☐
- Use ESD controls and protect keyed connectors, electronic contacts and field wiring during handling.

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VERIFICATION RECORD

PRODUCT IDENTITY	KL4201X1-BA1
INSTALLED POSITION	Documented DeltaV Electronic Marshalling position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

FUNCTIONAL ACCEPTANCE CHECKLIST

- ☐
- Use ESD controls and protect keyed connectors, electronic contacts and field wiring during handling.

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SOURCE IDENTIFIERS

Emerson ATEX38 instruction sheet for KL4201X1-BA1 CHARM baseplate | Manufacturer evidence verified 29 September 2026