

INDUSTRIAL AUTOMATION PRODUCT

KL4201X1-BA1

DeltaV CHARM Baseplate

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.

CONTROLLED ENGINEERING COPY

IDENTITY	VERIFIED VALUE
Manufacturer	Emerson
System family	DeltaV Electronic Marshalling
Part number	KL4201X1-BA1
Document status	Controlled product and system reference

DOCUMENT SCOPE

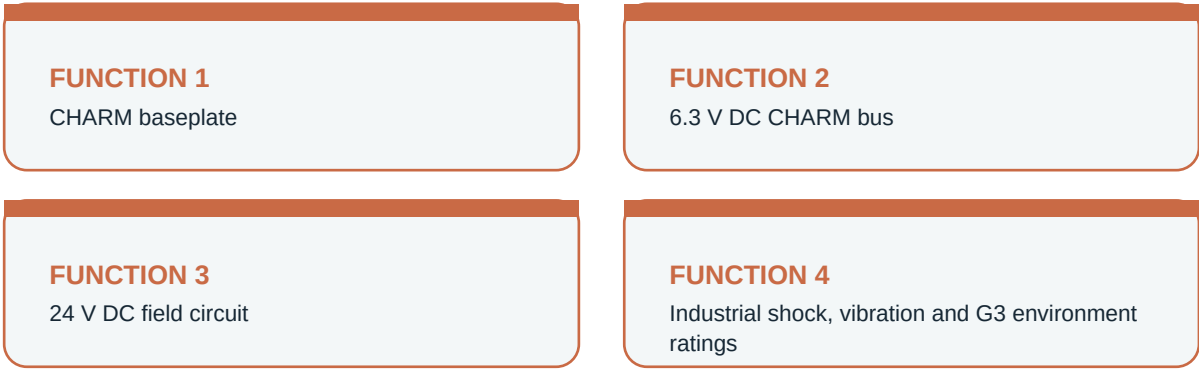
Exact article identity, official technical data, host matching, installation checks, applications, precautions and controlled acceptance evidence.

MODEL-SPECIFIC ENGINEERING NOTE

Install KL4201X1-BA1 only in the documented DeltaV Electronic Marshalling arrangement. Preserve identity, keying, wiring and configuration, then verify diagnostics and baseplate power distribution and CHARM mounting within a DeltaV Electronic Marshalling assembly under controlled conditions.

System Role and Architecture

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.



RELATED APTER POWER PAGES					
1	Siemens 6SL3224-0BE31-1UA0	2	Siemens 6SL3210-1PE31-8AL0	3	Siemens 6SL3310-1GE35-0AA3
4	Siemens C98043-A7042-L1-6	5	Siemens 6SL3246-0BA22-1PA0-V-4-7	6	Siemens C98043-A7005-L1-6RY1704-0AA00
7	Siemens A5F00133580-014-C98043-A7100	8	Siemens 6SL3210-1PE21-1AL0	9	Siemens 6SL3210-1PE21-8AL0

MATCHED SYSTEM COMPONENTS

NO.	DOCUMENTED COMPONENT / ROLE
01	DeltaV Electronic Marshalling
02	Matched DeltaV Electronic Marshalling carrier, host or field hardware
03	Documented power, signal, keyed termination and protective interfaces
04	Approved DeltaV configuration and acceptance record

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	DeltaV Electronic Marshalling
Interface role	baseplate power distribution and CHARM mounting within a DeltaV Electronic Marshalling assembly
Field / power context	documented DeltaV Electronic Marshalling installation
Commissioning evidence	Identity, keying, wiring, diagnostics and controlled response recorded

INSTALLATION AND CONNECTION CHECKS

- 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.

Technical Specifications

Technical values below are limited to the named product record and directly applicable manufacturer documentation.

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

RELATED PRODUCT PAGES

1 Siemens 6SL3224-0BE31-1UA0

2 Siemens 6SL3210-1PE31-8AL0

3 Siemens 6SL3310-1GE35-0AA3

4 Siemens C98043-A7042-L1-6

5 Siemens 6SL3246-0BA22-1PA0-V-4-7

6 Siemens C98043-A7005-L1-6RY1704-0AA00

7 Siemens A5F00133580-014-C98043-A7100

8 Siemens 6SL3210-1PE21-1AL0

9 Siemens 6SL3210-1PE21-8AL0

ENGINEERING BOUNDARY

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

PRE-INSTALLATION CHECKS

- 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.

Applications and Engineering Context

Electronic marshalling cabinet

Provides the baseplate for documented CHARM channel hardware.

CHARM bus distribution

Carries the approved 6.3 V DC bus across the baseplate.

Field-power distribution

Handles the documented 24 V DC field-circuit supply.

Baseplate replacement

Preserves carrier position, power feeds and channel assignments.

TECHNICAL NOTE

Install KL4201X1-BA1 only in the documented DeltaV Electronic Marshalling arrangement. Preserve identity, keying, wiring and configuration, then verify diagnostics and baseplate power distribution and CHARM mounting within a DeltaV Electronic Marshalling assembly under controlled conditions.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	KL4201X1-BA1 recorded
Host / carrier	DeltaV Electronic Marshalling
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

IMPORTANT NOTICE

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

Related Products and Source Record

Brand-qualified Apter Power navigation links are provided for system planning only; manufacturer evidence remains the named source record.

RELATED PRODUCTS ON APTER POWER

1

Siemens 6SL3224-0BE31-1UA0

View Siemens 6SL3224-0BE31-1UA0 page

2

Siemens 6SL3210-1PE31-8AL0

View Siemens 6SL3210-1PE31-8AL0 page

3

Siemens 6SL3310-1GE35-0AA3

View Siemens 6SL3310-1GE35-0AA3 page

4

Siemens C98043-A7042-L1-6

View Siemens C98043-A7042-L1-6 page

5

Siemens 6SL3246-0BA22-1PA0-V-4-7

View Siemens 6SL3246-0BA22-1PA0-V-4-7 page

6

Siemens C98043-A7005-L1-6RY1704-0AA00

View Siemens C98043-A7005-L1-6RY1704-0AA00 page

7

Siemens A5F00133580-014-C98043-A7100

View Siemens A5F00133580-014-C98043-A7100 page

8

Siemens 6SL3210-1PE21-1AL0

View Siemens 6SL3210-1PE21-1AL0 page

9

Siemens 6SL3210-1PE21-8AL0

View Siemens 6SL3210-1PE21-8AL0 page

MANUFACTURER SOURCE RECORD

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

APTER POWER SALES TEAM

WHATSAPP / PHONE

+86 180 3023 5313

EMAIL

sales13@apterpower.com

WEBSITE

www.apterpower.com



RECOMMENDATION SCOPE

These links support product navigation and comparison. Technical values in this document are sourced only from the manufacturer record above.