

KC4011X1-BW1

DeltaV simplex 48-pin AI Plus mass terminal

CONTROLLED ENGINEERING COPY

De-energize field circuits, record the mass-cable and terminal identities, protect the 48-pin interface from ESD and mechanical damage, and prove every analog channel after reconnection.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	KC4011X1-BW1
Manufacturer part	KC4011X1-BW1
Hardware type	KC4011X1-BW1
System family	DeltaV M-series mass-connection analog input



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01 PRE-INSTALLATION PLAN

- 1

Verify the complete KC4011X1-BW1 marking and the assigned DeltaV M-series mass-connection analog input position before work.
- 2

Place the connected machine or process in the approved maintenance state before disturbing KC4011X1-BW1.
- 3

Isolate the applicable power and field energy, then confirm a safe state before disconnecting KC4011X1-BW1.
- 4

Record connector, conductor, slot and configuration identities before removal of KC4011X1-BW1.
- 5

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

MATCHED HARDWARE

- DeltaV M-series analog-input card
- 48-pin mass-connection cable
- Field transmitters
- Approved cabinet termination plan

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	KC4011X1-BW1 / KC4011X1-BW1 recorded
Physical interface	DeltaV M-series analog-input card
Companion check	48-pin mass-connection cable
Functional proof	Provides the 48-pin AI Plus mass termination
Application test	Analog cabinet marshaling

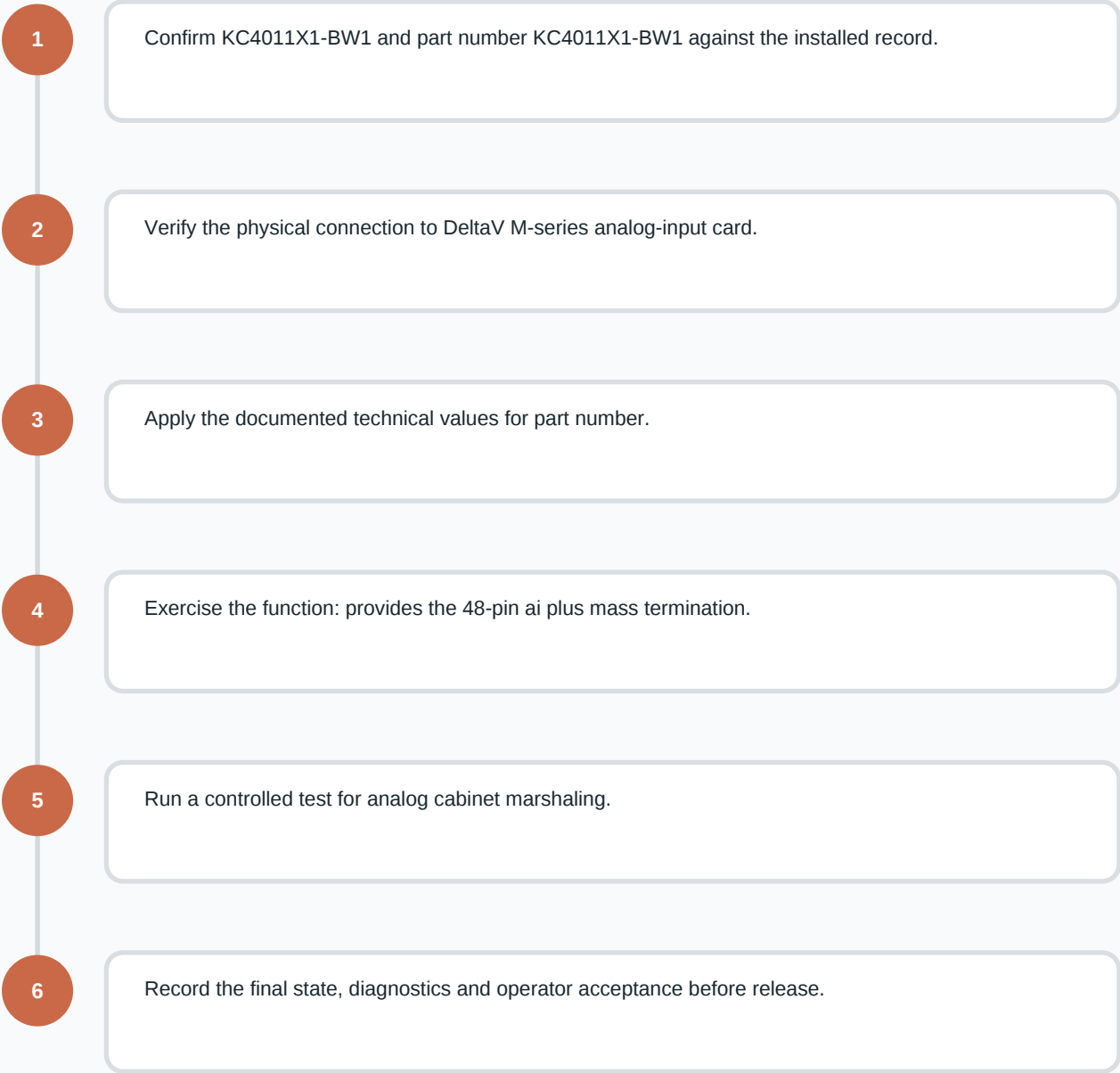
02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Part number	KC4011X1-BW1
Terminal type	Simplex 48-pin AI Plus mass terminal
Field-circuit rating	30 V DC at 500 mA
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

FIELD NOTE

De-energize field circuits, record the mass-cable and terminal identities, protect the 48-pin interface from ESD and mechanical damage, and prove every analog channel after reconnection.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	KC4011X1-BW1 / KC4011X1-BW1 recorded
Physical interface	DeltaV M-series analog-input card
Companion check	48-pin mass-connection cable
Functional proof	Provides the 48-pin AI Plus mass termination
Application test	Analog cabinet marshaling

04 RETURN-TO-SERVICE RECORD

- ☐
- Confirm that the installed companion hardware and approved project match the KC4011X1-BW1 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 KC4011X1-BW1 to service.
- ☐
- Confirm the intended process response before normal operation.

VERIFICATION RECORD

PRODUCT IDENTITY	KC4011X1-BW1
INSTALLED POSITION	Documented DeltaV M-series mass-connection analog input 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
KJ2005X1-BK11-2P4688X052 ...	Related Emerson product	View KJ2005X1-BK11-2P4688X052... page
PR9268-601-000-025531	Related Emerson product	View PR9268-601-000-025531 page
KJ1501X1-BC4-C2-A013P006 ...	Related Emerson product	View KJ1501X1-BC4-C2-A013P006... page
IC31197G05	Related Emerson product	View IC31197G05 page
KJ3243X1-BK1-C2-A0SE402 2	Related Emerson product	View KJ3243X1-BK1-C2-A0SE4022 page
KL2101X1-BA1-C2-A0SE650 1T01	Related Emerson product	View KL2101X1-BA1-C2-A0SE6501T01 page
KL2101X1-BB1-SE6504	Related Emerson product	View KL2101X1-BB1-SE6504 page
KJ3241X1-BK1-C2-A0SE400 6P2	Related Emerson product	View KJ3241X1-BK1-C2-A0SE4006P2 page

SOURCE IDENTIFIERS

Emerson ATEX Instruction Sheet for KC4011X1-BW1
ATEX196; July 2021

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