

## 1788-CNC

### ControlNet Daughtercard

INSTALLATION | CONNECTION | COMMISSIONING | ACCEPTANCE

### CONTROLLED WORK SEQUENCE

1

VERIFY

2

ISOLATE

3

CONNECT

4

TEST

Install 1788-CNC only in a supported daughtercard host. Set the documented node address, use an approved tap and never insert or remove the card under power.

#### CONTROLLED PREREQUISITES

##### Exact identity

Verify 1788-CNC against the nameplate and controlled record.

##### Approved system

Confirm the documented 1788 communication daughtercard platform system position and interfaces.

##### Evidence

Use 1788-IN002 for the published technical and installation boundary.

#### RELATED PRODUCTS ON APTER POWER

|    |                              |                      |
|----|------------------------------|----------------------|
| 01 | Allen Bradley 1766-L32BWAA   | <a href="#">OPEN</a> |
| 02 | Allen Bradley 1756-L85E      | <a href="#">OPEN</a> |
| 03 | Allen Bradley 80190-320-03-R | <a href="#">OPEN</a> |
| 04 | Allen Bradley 1783-US08T     | <a href="#">OPEN</a> |

##### APTER POWER SALES TEAM

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1788-CNC

## Exact-model technical record

|                      |                                          |                     |                                        |
|----------------------|------------------------------------------|---------------------|----------------------------------------|
| Complete model       | 1788-CNC                                 | Maximum current     | 450 mA                                 |
| Manufacturer         | Allen-Bradley                            | Power dissipation   | 2.25 W                                 |
| Product family       | 1788 communication daughtercard platform | Thermal dissipation | 7.68 BTU/h                             |
| Network type         | ControlNet, nonredundant                 | Enclosure type      | Open style                             |
| Legal node addresses | 01 to 99                                 | Approved taps       | 1786-TPR, TPS, TPYR or TPYS            |
| Network channel      | Channel A                                | NAP role            | Temporary local programming connection |
| Supply               | 5 V DC from host                         |                     |                                        |

## OFFICIAL SOURCE COVERAGE

|          |                                                                                                       |
|----------|-------------------------------------------------------------------------------------------------------|
| Source 1 | ControlNet Daughtercard Installation Instructions — Catalog or product identification, 1788-IN002     |
| Source 2 | ControlNet Daughtercard Installation Instructions — Technical specifications, 1788-IN002              |
| Source 3 | ControlNet Daughtercard Installation Instructions — Installation and application guidance, 1788-IN002 |

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## Installation and connection sequence

**STEP 1**

Confirm the complete 1788-CNC marking and installed ControlNet position before work.

**STEP 2**

Place the connected process in the approved maintenance state.

**STEP 3**

Isolate every applicable power and field circuit before disconnection.

**STEP 4**

Record connector, terminal, address, slot and companion-hardware identities.

**STEP 5**

Use grounded ESD controls and protect keyed interfaces from damage.

**STEP 6**

Preserve documented polarity, shielding, grounding and cable routing.

### RELATED PRODUCTS ON APTER POWER

|    |                              |      |
|----|------------------------------|------|
| 01 | Allen Bradley 1766-L32BWAA   | OPEN |
| 02 | Allen Bradley 1756-L85E      | OPEN |
| 03 | Allen Bradley 80190-320-03-R | OPEN |
| 04 | Allen Bradley 1783-US08T     | OPEN |

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# Commissioning and acceptance

## CHECK 1

Restore power in the approved sequence and review diagnostics.

## CHECK 2

Prove the intended input, output or communications response and retain the acceptance record.

## CHECK 3

Install 1788-CNC only in a supported daughtercard host. Set the documented node address, use an approved tap and never insert or remove the card

## CHECK 4

Retain the final 1788-CNC identity, wiring, diagnostic and acceptance record.

## RELATED PRODUCTS ON APTER POWER

|    |                               |      |
|----|-------------------------------|------|
| 01 | Allen Bradley 2711P-RDT7CM    | OPEN |
| 02 | Allen Bradley 2711P-B7C4D1-A  | OPEN |
| 03 | Allen Bradley 2097-V34PR5-LM  | OPEN |
| 04 | Allen Bradley 2094-BM01-M     | OPEN |
| 05 | Allen Bradley 2094-BC02-M02-S | OPEN |
| 06 | Allen Bradley 2093-AM01       | OPEN |

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## Acceptance reference and related products

|                  |                                                              |
|------------------|--------------------------------------------------------------|
| Identity         | Complete model 1788-CNC verified                             |
| Installed system | 1788 communication daughtercard platform                     |
| Connections      | Power, polarity, shielding, address or slot record completed |
| Controlled test  | Diagnostics and intended process response accepted           |

### RELATED PRODUCTS ON APTER POWER

|    |                           |      |
|----|---------------------------|------|
| 01 | Allen Bradley 1794-PS13   | OPEN |
| 02 | Allen Bradley 1794-OV32   | OPEN |
| 03 | Allen Bradley 1794-OM8    | OPEN |
| 04 | Allen Bradley 1794-IV32   | OPEN |
| 05 | Allen Bradley 1786-TPS-C  | OPEN |
| 06 | Allen Bradley 1785-L40B-E | OPEN |
| 07 | Allen Bradley 1785-BEM    | OPEN |
| 08 | Allen Bradley 1784-PKTX-B | OPEN |

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