

APTER POWER ENGINEERING REFERENCE

CC-TCNT01

C300 Controller IOTA

The CC-TCNT01 is the C300 controller input/output termination assembly that mechanically and electrically interfaces the CC-PCNT01 controller with its Series C cabinet connections.

Parameter	Technical value
Manufacturer	Honeywell
Product model	CC-TCNT01
Part number	51308307-175
System family	Experion C300 / Series C
Document	Product Technical Reference
Country	USA
HS code	8537101190

APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

One verified model, one engineered configuration path.

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SCAN FOR PRODUCT & QUOTE

CC-TCNT01

1. Product Identity and System Role

The CC-TCNT01 is the C300 controller input/output termination assembly that mechanically and electrically interfaces the CC-PCNT01 controller with its Series C cabinet connections.

System role

- Provides the termination carrier for a C300 controller
- Locates controller connections in the Series C chassis
- Separates replaceable controller electronics from cabinet wiring
- Supports orderly controller service and reinstatement

Matched components

- CC-PCNT01 C300 controller
- Series C cabinet mounting
- 24 Vdc system power distribution
- C300 network and controller cabling

2. Technical Specifications

Parameter	Technical value
Model	CC-TCNT01
Part number	51308307-175
Hardware type	C300 Controller IOTA
Companion controller	CC-PCNT01
Supply	24 Vdc
IOTA current at 24 Vdc	0 A
IOTA heat dissipation	0 W
Country	USA
HS code	8537101190

3. Functions, Applications and Components

Core functions

- Provides the termination carrier for a C300 controller
- Locates controller connections in the Series C chassis
- Separates replaceable controller electronics from cabinet wiring
- Supports orderly controller service and reinstatement

Industrial applications

- C300 process-control cabinets
- Redundant-controller marshalling panels
- Batch and continuous-control nodes
- Plantwide Experion controller upgrades

Compatible system components

- CC-PCNT01 C300 controller
- Series C cabinet mounting
- 24 Vdc system power distribution
- C300 network and controller cabling

4. Engineering Precautions and Source

Product precautions

- De-energize and secure the controller position before IOTA work.
- Inspect connector pins and mechanical guides before insertion.
- Keep controller and IOTA model pairing intact.
- Validate controller network status after reassembly.

Manufacturer source

Honeywell Experion Control Hardware Planning Guide
R301.1

RETURN-TO-SERVICE CHECK

Confirm model CC-TCNT01, cabinet wiring, control-system channel assignment and the intended field response before releasing the equipment for production.