

INDUSTRIAL AUTOMATION PRODUCT

CC-SCMB05

C300 Memory Backup Module for Power-Loss Recovery

C300 PCNT05 controller memory-backup and power-loss recovery

IDENTITY	VERIFIED VALUE
Manufacturer	Honeywell
System family	Experion C300 PCNT05
Part number	CC-SCMB05
Country	USA
HS code	8537101190

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Technical Specifications

Technical values below are limited to the named Honeywell product record.

PARAMETER	TECHNICAL VALUE
Module function	Power-loss recovery memory backup
Compatible controller	C300 PCNT05
Interchangeability	Not compatible with CC-SCMB02

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED ASSIGNMENT
Installed host / carrier	C300 PCNT05 controller
Companion hardware	matching C300 IOTA
Field connection	approved backup wiring
Primary system function	Supports the PCNT05 C300 controller generation
Controlled acceptance duty	PCNT05 controller power-loss recovery

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System Role and Architecture

C300 PCNT05 controller memory-backup and power-loss recovery

FUNCTION 1

Supports the PCNT05 C300 controller generation

FUNCTION 2

Provides controller memory backup for power-loss recovery

FUNCTION 3

Uses a different compatibility path from CC-SCMB02

FUNCTION 4

Maintains the documented C300 recovery arrangement

Matched system components

- C300 PCNT05 controller
- matching C300 IOTA
- approved backup wiring
- Experion controller project and recovery record

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	C300 PCNT05 controller
Companion hardware	matching C300 IOTA
Field connection	approved backup wiring
Primary system function	Supports the PCNT05 C300 controller generation
Controlled acceptance duty	PCNT05 controller power-loss recovery

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Applications and Engineering Context

PCNT05 controller power-loss recovery

Supports the PCNT05 C300 controller generation

C300 cabinet resilience

Provides controller memory backup for power-loss recovery

Controller-memory backup maintenance

Uses a different compatibility path from CC-SCMB02

SCMB05 replacement

Maintains the documented C300 recovery arrangement

TECHNICAL NOTE

Verify the installed controller is PCNT05, do not substitute CC-SCMB02, preserve backup cabling and confirm recovery status after controlled power restoration.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	CC-SCMB05 / CC-SCMB05 recorded
Physical interface	C300 PCNT05 controller
Companion check	matching C300 IOTA
Functional proof	Supports the PCNT05 C300 controller generation
Application test	PCNT05 controller power-loss recovery

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Engineering Precautions

- 1 Verify the complete CC-SCMB05 marking and its assigned PCNT05 memory-backup position before work.
- 2 Place the connected process and control strategy in the approved maintenance state.
- 3 Isolate the applicable cabinet supply and backup-power field energy before disconnecting conductors.
- 4 Record terminal numbers, channel assignments, polarity, shields and configured ranges before removal.
- 5 Use ESD controls and protect the backplane connector, terminal hardware and coated electronics.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
86691-00750-0435-15	Related industrial automation product	View 86691-00750-0435-15 page
200350-02-00-01	Related industrial automation product	View 200350-02-00-01 page
21500-00-12-10-02	Related industrial automation product	View 21500-00-12-10-02 page
21500-00-32-05-02	Related industrial automation product	View 21500-00-32-05-02 page
IC670GBI002	Related industrial automation product	View IC670GBI002 page
IC670GBI001	Related industrial automation product	View IC670GBI001 page
330851-04-000-040-10-01-00	Related industrial automation product	View 330851-04-000-040-10-01-00 page
330881-28-05-050-03-02	Related industrial automation product	View 330881-28-05-050-03-02 page

MANUFACTURER SOURCE RECORD

Honeywell C300 Controller product documentation

C300 PCNT05 / January 2025 System HINTS

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