

CC-SCMB05

C300 Memory Backup Module for Power-Loss Recovery

C300 PCNT05 controller memory-backup and power-loss recovery

PRODUCT SNAPSHOT

BRAND

Honeywell

FAMILY

Experion C300 PCNT05

PART

CC-SCMB05

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PRODUCT OVERVIEW

C300 PCNT05 controller memory-backup and power-loss recovery

1

Supports the PCNT05 C300 controller generation

2

Provides controller memory backup for power-loss recovery

3

Uses a different compatibility path from CC-SCMB02

4

Maintains the documented C300 recovery arrangement

SYSTEM COMPONENTS

C300 PCNT05 controller

matching C300 IOTA

approved backup wiring

Experion controller project and recovery record

TECHNICAL NOTE

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

TECHNICAL DATA

PARAMETER	VALUE
Module function	Power-loss recovery memory backup
Compatible controller	C300 PCNT05

PARAMETER	VALUE
Interchangeability	Not compatible with CC-SCMB02

ENGINEERING NOTE

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

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
330880-00-00-000-03-02	Related industrial automation product	View 330880-00-00-000-03-02 page
330101-00-60-90-01-05	Related industrial automation product	View 330101-00-60-90-01-05 page
330104-11-25-10-02-00	Related industrial automation product	View 330104-11-25-10-02-00 page
330102-04-25-10-02-00	Related industrial automation product	View 330102-04-25-10-02-00 page
330910-00-07-05-02-CN	Related industrial automation product	View 330910-00-07-05-02-CN page
330910-00-07-05-02-05	Related industrial automation product	View 330910-00-07-05-02-05 page
3HAC5954-1	Related industrial automation product	View 3HAC5954-1 page
330102-00-20-10-02-00	Related industrial automation product	View 330102-00-20-10-02-00 page

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

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

PRODUCT 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.
- 6 Confirm the installed C300 PCNT05 controller and carrier arrangement against the approved project.
- 7 Restore power in a controlled sequence and clear only diagnostics created by the maintenance activity.
- 8 Complete backup readiness and controlled power-loss recovery verification and retain the measured result before returning the channel to automatic service.

ENGINEER FAQ

Q1 Does CC-SCMB05 match C300 PCNT05 controller in a PCNT05 controller power-loss recovery installation?

Verify the complete CC-SCMB05 marking, the documented Experion C300 PCNT05 position and the installed C300 PCNT05 controller before fitting the assembly.

Q2 How should CC-SCMB05 be wired when it must supports the pcnt05 c300 controller generation?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for CC-SCMB05; then continuity-test the affected path.

Q3 Which Experion C300 PCNT05 records should be captured before removing CC-SCMB05?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with CC-SCMB05 before disconnection.

Q4 What controlled test confirms that CC-SCMB05 can provides controller memory backup for power-loss recovery?

Apply the approved field or simulated stimulus, observe the Experion C300 PCNT05 indication and confirm the intended response without bypassing the normal interlocks.

Q5 Which matching C300 IOTA condition should be checked when CC-SCMB05 reports an abnormal state?

Check the matching C300 IOTA supply, seating and connection first, then compare channel diagnostics with the recorded CC-SCMB05 baseline.

Q6 Can CC-SCMB05 be moved directly into C300 cabinet resilience without validating Experion controller project and recovery record?

No. Confirm the Experion controller project and recovery record, revision, connection scheme and Experion C300 PCNT05 configuration before transferring CC-SCMB05 to that duty.

Q7 What maintenance evidence is required after CC-SCMB05 is used for Controller-memory backup maintenance?

Retain the nameplate record, corrective action, final diagnostics and a controlled controller-memory backup maintenance functional-test result for CC-SCMB05.

Q8 How should CC-SCMB05 be returned to service in SCMB05 replacement?

Restore power under control, verify uses a different compatibility path from cc-scmb02, exercise the intended signal path and release CC-SCMB05 only after the Experion C300 PCNT05 remains in its approved operating state.

SOURCE Honeywell C300 Controller product documentation | C300 PCNT05 / January 2025 System HINTS

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