

CC-SCMB05

C300 Memory Backup Module for Power-Loss Recovery

CONTROLLED ENGINEERING COPY

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

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	CC-SCMB05
Manufacturer part	CC-SCMB05
Hardware type	Power-loss recovery memory backup
System family	Experion C300 PCNT05



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01 PRE-INSTALLATION PLAN

- 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.

MATCHED HARDWARE

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

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
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

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Module function	Power-loss recovery memory backup
Compatible controller	C300 PCNT05
Interchangeability	Not compatible with CC-SCMB02

SYSTEM CONNECTION RECORD

CONNECTION ITEM	DOCUMENTED 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

FIELD NOTE

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

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	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

04 RETURN-TO-SERVICE RECORD

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

VERIFICATION RECORD

PRODUCT IDENTITY	CC-SCMB05
INSTALLED POSITION	Documented Experion C300 PCNT05 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
21504-00-48-10-02	Related industrial automation product	View 21504-00-48-10-02 page
3HAC043569-004	Related industrial automation product	View 3HAC043569-004 page
129525-0050-02	Related industrial automation product	View 129525-0050-02 page
102044-00-32-10-02	Related industrial automation product	View 102044-00-32-10-02 page
21000-11-05-00-085-03-02	Related industrial automation product	View 21000-11-05-00-085-03-02 page
21000-15-10-00-166-03-02	Related industrial automation product	View 21000-15-10-00-166-03-02 page
21000-28-05-00-070-01-02	Related industrial automation product	View 21000-28-05-00-070-01-02 page
84661-55	Related industrial automation product	View 84661-55 page

SOURCE IDENTIFIERS

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

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