

INDUSTRIAL AUTOMATION PRODUCT

CC-SCMB02

C300 Memory Backup Assembly

Backup power path for C300 controller RAM retention

IDENTITY	VERIFIED VALUE
Manufacturer	Honeywell
System family	Experion C300 controller
Part number	CC-SCMB02
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
Assembly type	C300 Memory Backup Assembly
Controller capacity	1 or 2 connected C300 controllers
Retention time	Up to 50 h
RAM charger	51199932-100
Mount	51202340-100
Controller cable	51202330-100; 30 in
Controller cable option	51202330-200; 84 in / 2 m
Power cable	51202331-100; 55 in / 1.4 m
Alternative-mount screw torque	3.9 N m

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED ASSIGNMENT
Installed host / carrier	one or two compatible C300 controllers
Companion hardware	51199932-100 RAM charger
Field connection	51202340-100 mount
Primary system function	Provides as much as fifty hours of RAM retention
Controlled acceptance duty	C300 power-loss recovery

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System Role and Architecture

Backup power path for C300 controller RAM retention

FUNCTION 1

Provides as much as fifty hours of RAM retention

FUNCTION 2

Supports one or two connected C300 controllers

FUNCTION 3

Uses the documented RAM charger and mounting hardware

FUNCTION 4

Connects through the approved controller and power cables

Matched system components

- one or two compatible C300 controllers
- 51199932-100 RAM charger
- 51202340-100 mount
- documented controller and power cables

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	one or two compatible C300 controllers
Companion hardware	51199932-100 RAM charger
Field connection	51202340-100 mount
Primary system function	Provides as much as fifty hours of RAM retention
Controlled acceptance duty	C300 power-loss recovery

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Applications and Engineering Context

C300 power-loss recovery

Provides as much as fifty hours of RAM retention

Redundant controller memory retention

Supports one or two connected C300 controllers

Controller-cabinet resilience upgrade

Uses the documented RAM charger and mounting hardware

Memory-backup assembly renewal

Connects through the approved controller and power cables

TECHNICAL NOTE

De-energize the cabinet, identify both controller cables and the charger power lead, observe the mounting torque and verify backup status and retention diagnostics.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	CC-SCMB02 / CC-SCMB02 recorded
Physical interface	one or two compatible C300 controllers
Companion check	51199932-100 RAM charger
Functional proof	Provides as much as fifty hours of RAM retention
Application test	C300 power-loss recovery

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Engineering Precautions

- 1 Verify the complete CC-SCMB02 marking and its assigned C300 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
330909-00-25-10-02-00	Related industrial automation product	View 330909-00-25-10-02-00 page
C98043-A7106-L1	Related industrial automation product	View C98043-A7106-L1 page
330908-21-35-10-02-00	Related industrial automation product	View 330908-21-35-10-02-00 page
330905-0-25-05-02-IN	Related industrial automation product	View 330905-0-25-05-02-IN page
330903-00-07-10-01-CN	Related industrial automation product	View 330903-00-07-10-01-CN page
MVI56-MCM	Related industrial automation product	View MVI56-MCM page
330903-00-07-10-01-00	Related industrial automation product	View 330903-00-07-10-01-00 page
PM590-ETH-1SAP15000R0271	Related industrial automation product	View PM590-ETH-1SAP150000R0271 page

MANUFACTURER SOURCE RECORD

Honeywell Series-C I/O User's Guide

EPDOC-X126-en-A

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