

SDCS-CON-H01-3ADT220166R0002-DCS880DCT880

Electronic Control Tray

Drive or power-controller computation, parameter storage and configured control interfaces

PRODUCT SNAPSHOT

BRAND

ABB

FAMILY

ABB DCS880 and DCT880 control hardware

PART

SDCS-CON-H01-3ADT220166R0002-DCS880DCT880

PRODUCT TYPE

Electronic Control Tray

APTER POWER SALES TEAM

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PRODUCT OVERVIEW

Drive or power-controller computation, parameter storage and configured control interfaces

1

Includes the SDCS-CON-H01 control board

2

Fits documented DCS880 and DCT880 service

3

Uses a transferable X205 memory unit

4

Requires J1 to J7 jumper replication

SYSTEM COMPONENTS

DCS880 or DCT880 power unit

X205 memory unit

documented electronic-tray connectors

Drive Composer service environment

TECHNICAL NOTE

Record parameter 95.16 and jumpers J1 to J7, isolate and discharge the unit, and never insert or remove the X205 memory unit while powered.

TECHNICAL DATA

PARAMETER	VALUE
Assembly order code	3ADT220166R0002
Included control board	SDCS-CON-H01
Compatible product	DCS880
Compatible thyristor power controller	DCT880
Firmware compatibility	All documented DCS880 and DCT880 firmware versions
Memory connector	X205
Memory-unit contents	Firmware, parameters and application program

PARAMETER	VALUE
Unit-type parameter	95.16 Set: Unit type code
Configuration items	Jumpers J1 to J7
Service tool	Drive Composer pro 2.6 or later for documented firmware work
Required hand tools	Torx TX10, TX20 and TX25
Replacement method	Record unit type; copy jumper positions; transfer memory unit de-energized
Existing record	ApterPower ID 854439
Official manual	3ADW000449R0401

ENGINEERING NOTE

Record parameter 95.16 and jumpers J1 to J7, isolate and discharge the unit, and never insert or remove the X205 memory unit while powered.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
Siemens 6SE7031 7HG84 1JC2	Related industrial automation product	View Siemens 6SE7031 7HG84 1JC2 page
Siemens 6SE7031 7HG84 1JC1	Related industrial automation product	View Siemens 6SE7031 7HG84 1JC1 page
Anybus AB9001 B	Related industrial automation product	View Anybus AB9001 B page
ABB RPBA 01 3ABD64606859	Related industrial automation product	View ABB RPBA 01 3ABD64606859 page
Bently Nevada 330877 080 37 00	Related industrial automation product	View Bently Nevada 330877 080 37 00 page
Bently Nevada 330909 00 80 10 02 00	Related industrial automation product	View Bently Nevada 330909 00 80 10 02 00 page
Bently Nevada 330703 000 050 10 02 00	Related industrial automation product	View Bently Nevada 330703 000 050 10 02 00 page
Bently Nevada 330703 000 060 10 02 00	Related industrial automation product	View Bently Nevada 330703 000 060 10 02 00 page

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

DCS880 control restoration

Includes the SDCS-CON-H01 control board

DCT880 power-control service

Fits documented DCS880 and DCT880 service

Memory-unit transfer

Uses a transferable X205 memory unit

Electronic-tray replacement

Requires J1 to J7 jumper replication

PRODUCT PRECAUTIONS

- 1 Verify the complete SDCS-CON-H01-3ADT220166R0002-DCS880DCT880 marking and its assigned ABB DCS880 and DCT880 control hardware position before work.
- 2 Place the connected dcs880 control restoration process in the approved maintenance state.
- 3 Isolate every documented power, signal and stored-energy source before disconnecting conductors or cables.
- 4 Record the installed slot, connectors, conductors, addressing, firmware and software configuration before removal.
- 5 Use ESD-safe handling and protect keyed electrical, fiber or sensor interfaces as applicable.
- 6 Confirm the installed DCS880 or DCT880 power unit and X205 memory unit against the approved project.
- 7 Restore power in a controlled sequence and review device, network and host diagnostics.
- 8 Prove the intended dct880 power-control service function and retain the final acceptance result.

ENGINEER FAQ

Q1 What does ABB SDCS-CON-H01-3ADT220166R0002-DCS880DCT880 include?

It is the documented electronic tray assembly that includes the SDCS-CON-H01 control board.

Q2 Which platforms accept ABB SDCS-CON-H01-3ADT220166R0002-DCS880DCT880?

ABB documents 3ADT220166R0002 for DCS880 and DCT880 service and states compatibility with their documented firmware versions.

Q3 Which parameter must be recorded before replacing ABB SDCS-CON-H01-3ADT220166R0002-DCS880DCT880?

Record parameter 95.16, Set: Unit type code, before removing the original electronic tray.

Q4 Which jumper positions must be copied for ABB SDCS-CON-H01-3ADT220166R0002-DCS880DCT880?

Copy the installed positions of jumpers J1 through J7 exactly.

Q5 What is retained in the X205 memory of ABB SDCS-CON-H01-3ADT220166R0002-DCS880DCT880?

The memory unit retains firmware, parameters and the application program for the unit.

Q6 Can the X205 memory be moved while ABB SDCS-CON-H01-3ADT220166R0002-DCS880DCT880 is powered?

No. ABB warns not to insert or remove the memory unit when the unit is powered.

Q7 Which service software applies to ABB SDCS-CON-H01-3ADT220166R0002-DCS880DCT880?

The service manual identifies Drive Composer pro 2.6 or later for the documented firmware work.

Q8 How is ABB SDCS-CON-H01-3ADT220166R0002-DCS880DCT880 accepted after replacement?

Verify unit type, jumpers, transferred memory, connector identities, diagnostics and a controlled DCS880 or DCT880 functional test.

SOURCE ABB DCT880 Service Manual | 3ADW000449R0401

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