

APTER POWER PRODUCT GUIDE

SDCS-PIN-H51

DCS880 Measuring Board

ABB SDCS-PIN-H51 is the measuring board used in DCS880 converter frame sizes H6 through H8. It acquires armature-current and AC/DC-voltage measurement signals for the converter control system.

Manufacturer	ABB
Model	SDCS-PIN-H51
Spare part number	3ADT320700R1501
Product type	DCS880 Measuring Board
Product family	DCS880 / DCT880 power converter
Country	Sweden
HS code	8537101190
Shipping origin	Xiamen, Fujian, China

APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

Three interface paths, one controlled configuration.

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SCAN FOR PRODUCT & QUOTE

1. Installation and system fit

- Discharge the DC circuit and prove isolation before opening the converter.
- Record every connector designation before removing the board.
- Use ESD controls and protect measurement connectors from contamination.
- After replacement, verify current and voltage feedback before enabling the power stage.

Controlled configuration

Complete model	SDCS-PIN-H51
Spare part number	3ADT320700R1501
Product type	DCS880 Measuring Board
System family	DCS880 / DCT880 power converter

2. Commissioning sequence

- 1 Discharge the DC circuit and prove isolation before opening the converter.
- 2 Record every connector designation before removing the board.
- 3 Use ESD controls and protect measurement connectors from contamination.
- 4 After replacement, verify current and voltage feedback before enabling the power stage.

Technical verification note

The ABB DCS880 hardware manual identifies SDCS-PIN-H51 as the H6–H8 measuring board. Service verification must cover its armature-current and AC/DC-voltage measurement paths before converter firing is enabled.

3. Application verification

DCS880 H6–H8 converter service

Routes isolated power-stage measurements toward the control electronics

DCT880 power-controller maintenance

Interfaces with the H6–H8 converter power circuit

Armature feedback troubleshooting

Supports current feedback used by the regulated armature loop

Power-stage board replacement

Provides voltage-measurement paths used by converter monitoring

Associated system components

- SDCS-CON-H01 control board
- H6-H8 power module
- firing pulse transformer boards
- converter measurement wiring

4. Maintenance and verification FAQ

Which connections must be recorded on SDCS-PIN-H51?

Record connector identifiers, conductor positions and associated firing/control-board connections before disassembly.

How is SDCS-PIN-H51 commissioned after replacement?

Check board seating and wiring, then verify plausible current and voltage feedback before allowing converter firing.

Can SDCS-PIN-H51 from another frame be fitted by appearance?

No. Confirm the exact frame compatibility, spare number, revision and ABB hardware configuration.

What maintenance evidence should be retained for SDCS-PIN-H51?

Retain converter identity, board revision, insulation/discharge checks, feedback results and the controlled start-up record.

Source record

ABB DCS880 Hardware Manual 3ADW000462R0601

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