

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. Product overview and identity

- Routes isolated power-stage measurements toward the control electronics
- Interfaces with the H6–H8 converter power circuit
- Supports current feedback used by the regulated armature loop
- Provides voltage-measurement paths used by converter monitoring

Model configuration

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

2. Technical specifications

Spare part number	3ADT320700R1501
Board designation	SDCS-PIN-H51
Board function 1	Armature current measurement
Board function 2	AC/DC voltage measurement
Supported converter frame sizes	H6-H8
Board width	190 mm
Board height	305 mm

3. Functions, applications and components

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. Engineering FAQ and source record

Which DCS880 frame sizes use SDCS-PIN-H51?

ABB identifies SDCS-PIN-H51 for converter frame sizes H6 through H8.

What signals are handled by SDCS-PIN-H51?

The board participates in armature-current measurement and AC/DC-voltage measurement for the converter power circuit.

How should 3ADT320700R1501 be checked against SDCS-PIN-H51?

Verify the spare-part label, board designation, revision and connector layout against the installed converter record.

What must be isolated before removing SDCS-PIN-H51?

Follow the DCS880 electrical-safety procedure, isolate all power sources and confirm the DC circuit is discharged.

Source record

ABB DCS880 Hardware Manual 3ADW000462R0601

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