AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

SDCS-PIN-21

Converter Power Interface Board

TYPE	REFERENCE	FAMILY	SCOPE
Converter Power Interface Board	**SDCS-PIN-21**	**DCS 500 C1/C2**	**Converter-specific board data**

ABB SDCS-PIN-21 is a power-interface board for DCS 500 converters of construction types C1 and C2. It combines thyristor firing-pulse interfaces, armature-current measurement, voltage sensing and protection circuits within the converter power section rather than operating as a standalone power supply.

01 DOCUMENTED PRODUCT REFERENCE

Converter construction class	DCS 500 C1/C2
PIN21 converter voltage class	500 V in Technical Data tables
2-Q converter current settings	100 / 125 / 180 / 225 / 315 A at 500 V
4-Q converter current settings	100 / 140 / 200 / 250 / 350 A at 500 V
Current-transformer ratio	1000:1
Firing-pulse interface	Pulse-transformer circuits
Current measurement	Armature current
Voltage measurement	AC and DC, high-impedance sensing

Manufacturer data summarized for the identified model and stated conditions.

02 TECHNICAL DATA

Snubber protection	RC circuits and MOV elements
Quadrant selection	W10: 2-Q / 4-Q
Zero-current detection setting	W15
Rated-current scaling	W17 to W22
Hardware voltage-type coding	W80 to W82
Heat-sink temperature interface	PTC sensor
Protection/measurement fuse rating	6 A / 600 V, specified fuse type required

03 APPLICATION AND CONFIGURATION

- SDCS-PIN-21 and full 3ADT306200R1 identity
- Correct converter voltage, current and quadrant class
- Current-transformer, scaling and hardware-code settings
- Qualified isolation and converter acceptance checks
- Use the applicable manufacturer safety and installation instructions.

04 OFFICIAL DOCUMENTATION

ABB DCS Technical Data, 3ADW000054R0601 Rev F, section 5.2.1

PIN21 columns in printed III5-2/5-3: 500 V converter class, distinct 2Q/4Q current settings, 1000:1 CT ratio and board interfaces. Converter current is not board-supply current; jumper details require the exact converter configuration.

Independently prepared Amikon reference summary, not an original manufacturer manual. Ratings apply only under their documented conditions. Confirm the supplied marking and approved configuration before selection, installation or replacement.

AMIKON PRODUCT SUPPORT

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