AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

SDCS-POW-4

DCS800 Power Supply Board

TYPE	REFERENCE	FAMILY	SCOPE
DCS800 Power Supply Board	**3ADT315100R1001**	**DCS800**	**SDCS-POW-4 board**

ABB SDCS-POW-4 supplies the low-voltage electronics in DCS800 converter sizes D5, D6 and D7, as well as the DCS800-R rebuild kit. Mounted on the electronics tray, it powers the SDCS-CON-4 control board and associated electronic boards.

01 DOCUMENTED PRODUCT REFERENCE

Auxiliary input voltage	115 or 230 V AC; -15% / +10%
Input frequency	45-65 Hz
Power consumption	120 VA
Power loss	Up to 60 W
Inrush current	20 A / 20 ms at 115 V; 10 A / 20 ms at 230 V
Recommended supply fusing	6 A, time-delay (6 AT)
Mains buffering	At least 30 ms at 115 V; 300 ms at 230 V
Selectable encoder supply	5, 12, 15 or 24 V DC

Manufacturer data summarized for the identified model and stated conditions.

02 TECHNICAL DATA

Maximum encoder supply current	250 mA
Encoder sense support	5 V and 12 V settings only
DO8 relay contact arrangement	Isolated, normally open; X96
Relay AC contact rating	Up to 250 V AC / 3 A
Relay DC contact rating	24 V / 3 A or 115/230 V / 0.3 A
Relay transient suppression	275 V MOV protection
Control-board supply connectors	X37 and X137; parallel-connected

03 APPLICATION AND CONFIGURATION

- SDCS-POW-4 label and complete article
- D5, D6, D7 or DCS800-R arrangement
- Auxiliary voltage and encoder jumper settings
- Relay connections and supply verification
- Use the applicable manufacturer safety and installation instructions.

04 OFFICIAL DOCUMENTATION

ABB DCS800 Hardware Manual, 3ADW000194R0811 Rev H

SDCS-POW-4 board data, page 92. Original source: ABB 3ADW000194R0811 Rev H (January 2015). This summary does not describe a complete drive or authorize substitution by a different board suffix.

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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