

DCS800

Product Data Sheet

SDCS-PIN-4B-COATED 3ADT316300R1510

SDCS-PIN-4b Power Interface Board

AUXILIARY AC VOLTAGE	AUXILIARY DC VOLTAGE	AUXILIARY VOLTAGE TOLERANCE	AUXILIARY AC FREQUENCY
115 / 230 V AC, automatic adaptation	230 V DC, SDCS-PIN-4b	-15% / +10%	45 to 65 Hz

ABB SDCS-PIN-4B-COATED 3ADT316300R1510 is the SDCS-PIN-4b power-interface spare for a compatible DCS800 DC drive. The ABB service spare list identifies this article for the onboard field arrangement up to 525 V AC.

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VERIFIED TECHNICAL DATA

Auxiliary AC voltage	115 / 230 V AC, automatic adaptation
Auxiliary DC voltage	230 V DC, SDCS-PIN-4b
Auxiliary voltage tolerance	-15% / +10%
Auxiliary AC frequency	45 to 65 Hz
Auxiliary AC power consumption	120 VA
Maximum power loss	60 W
Auxiliary inrush at 115 V AC	20 A for 20 ms
Auxiliary inrush at 230 V AC/DC	10 A for 20 ms
Recommended auxiliary fuse	6 A time-delay
Mains buffering at 230 V AC	At least 300 ms, SDCS-PIN-4b

ADDITIONAL PRODUCT DATA

Mains buffering at 230 V DC	At least 150 ms
DO8 AC contact rating	250 V AC, maximum 3 A
DO8 DC contact rating	24 V DC / 3 A; 115 or 230 V DC / 0.3 A maximum
Armature-bridge firing channels	6 or 12 thyristors
Armature measurement leakage	5 mA at 500 V supply, approximately 1 Mohm

DOCUMENTED USE SETTINGS

Pulp Manufacturing and Paper Production: Pulp Production and Processing.

Metal Production and Industrial Material Processing: Steel Production and Processing.

Heavy Manufacturing and Industrial Product Production: Heavy Industrial Material Production.

SYSTEM COMPATIBILITY

Match 3ADT316300R1510 and SDCS-PIN-4b to the DCS800 converter size and onboard field arrangement. Confirm all connected power and measurement interfaces.

PRODUCT EVIDENCE

ABB DCS800 Hardware Manual 3ADW000194R0801, pp.88 to 91; spare identity checked against DCS800 Service Manual

AMIKON PRODUCT SUPPORT

+86-18020776786

INFO@AMIKON.CN

AMIKONG.COM