

DCS880

Product Data Sheet

SDCS-CON-H01 3ADT320000R1501

DC Drive Control Board

ANALOG INPUT CHANNELS	ANALOG INPUT VOLTAGE RANGE	AI1/AI2 CURRENT RANGE	ANALOG INPUT RESOLUTION
3	± 10 V	0(4) to 20 mA or ± 20 mA	15 bits + sign

ABB SDCS-CON-H01 3ADT320000R1501 is a control board for the DCS880 DC drive family. It provides the drive control circuit connections used for analog signals, digital signals, feedback and communication within a compatible DCS880 converter.

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VERIFIED TECHNICAL DATA

Analog input channels	3
Analog input voltage range	± 10 V
AI1/AI2 current range	0(4) to 20 mA or ± 20 mA
Analog input resolution	15 bits + sign
Voltage input impedance	≥ 200 kohm
Current input impedance	100 ohm
Analog input common mode	± 30 V
Analog input sampling	0.25 ms per channel
Analog output channels	2
Analog output voltage	± 10 V; ≤ 10 mA

ADDITIONAL PRODUCT DATA

AO1 current output load	≤500 ohm at 0(4) to 20 mA
Analog output bandwidth	0 to 300 Hz
Analog output resolution	11 bits + sign
Relay output rating	250 V AC / 30 V DC; 2 A
Terminal conductor range	0.5 to 2.5 mm²

DOCUMENTED USE SETTINGS

Metal Manufacturing and Material Processing: Steel Production and Rolling.

Pulp Preparation and Paper Manufacturing: Pulp and Fibre Processing.

Plastics Production and Rubber Processing: Plastic Extrusion and Film Production.

SYSTEM COMPATIBILITY

Integrate SDCS-CON-H01 3ADT320000R1501 only in a DCS880 configuration that specifies this control board. The hardware manual identifies common control terminals for frame sizes H1 through H8.

PRODUCT EVIDENCE

ABB DCS880 Hardware manual 3ADW000462R0401; SDCS-CON-H01 pp.83 to 88

AMIKON PRODUCT SUPPORT

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