

SIMADYN D SS4

Product Data Sheet

6DD1688-0AD0

Serial communication interface submodule

STANDARD ELECTRICAL INTERFACE	OPTIONAL CURRENT-LOOP INTERFACE	OPTIONAL HANDSHAKE ADAPTER	OPTIONAL DIFFERENTIAL ADAPTER
RS232	20 mA TTY through SS1	RS232 RTS/CTS through SS2	RS485 through SS31

Siemens 6DD1688-0AD0 is the SS4 serial communication submodule for SIMADYN D. It provides supported serial links for configured automation and drive-control communication, including documented DUST and USS arrangements.

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VERIFIED TECHNICAL DATA

Standard electrical interface	RS232
Optional current-loop interface	20 mA TTY through SS1
Optional handshake adapter	RS232 RTS/CTS through SS2
Optional differential adapter	RS485 through SS31
USS role	Master
Maximum USS rate	187.5 kbaud, configuration dependent
Front connector	26-pin
Backplane connector	48-pin
5 V current	0.4 A
Positive 15 V current	20 mA

ADDITIONAL PRODUCT DATA

Negative 15 V current	20 mA
RS485 termination resistor	150 ohm
RS485 bias resistors	390 ohm each
RS485 data B assignment	Pin 5 with SS31
RS485 data A assignment	Pin 17 with SS31

DOCUMENTED USE SETTINGS

Paper Production and Industrial Material Converting: Paper Finishing and Converting.

Metal Production and Continuous Steel Processing: Steel Rolling and Finishing.

Material Processing and Industrial Manufacturing Production: Industrial Material Manufacturing.

SYSTEM COMPATIBILITY

Siemens 6DD1688-0AD0 is the SS4 serial communication submodule for SIMADYN D. It provides supported serial links for configured automation and drive-control communication, including documented DUST and USS arrangements.

PRODUCT EVIDENCE

Siemens SIMADYN D SS4 technical documentation