AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

SDCS-COM-1

Optical Drive Link Board

TYPE	REFERENCE	FAMILY	SCOPE
Optical Drive Link Board	**SDCS-COM-1**	**DCS 500**	**Board-specific interface data**

ABB SDCS-COM-1 is an optical communication board for DCS 500 converters. Its three communication channels use separate receiving and transmitting connections, while channel one provides a 1.5 Mbit/s HDLC link for PC access through the appropriate operating program.

01 DOCUMENTED PRODUCT REFERENCE

Communication channels	3
Transmission connection	Separate optical RxD and TxD paths
Receive-connector color	Blue
Transmit-connector color	Grey
Channel 1 protocol	HDLC
Channel 1 data rate	1.5 Mbit/s

Manufacturer data summarized for the identified model and stated conditions.

02 TECHNICAL DATA

Channel 1 connection function	PC operating-program communication
Channel 2 converter coding	Converter numbers 1 to 4; jumper S1
Channel 3 supply selection	Internal or external; jumper S2
External supply terminals	X1.1: +24 V; X1.2: 0 V
S21.xxx channel restriction	Other channels cannot be used together

03 APPLICATION AND CONFIGURATION

- SDCS-COM-1 and complete 3BSE005028R1 marking
- Blue receive and grey transmit optical pairs
- Correct S1 coding and S2 supply arrangement
- Actual software and communication acceptance
- Use the applicable manufacturer safety and installation instructions.

04 OFFICIAL DOCUMENTATION

ABB DCS Technical Data, 3ADW000054R0601 Rev F, section 7.1

Section7.1, printed III7-1 / PDF81: SDCS-COM-1 channel count, CH1 HDLC speed, connector colors, supply and jumper coding. COM-5 and AMC-DC channel speeds or functions are not transferred.

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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