MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

ABB

SDCS-DSL-4 3ADT200005R0001

DCSLINK DRIVE COMMUNICATION BOARD

Used with the applicable DCS800 DCSLink SDCS-DSL-4 configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

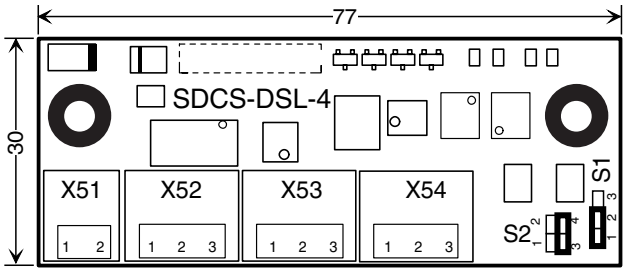
Source: ABB DCS800 Hardware manual 3ADW000194R0811, p.87

Drive-to-drive board SDCS-DSL-4

The SDCS-DSL-4 provides a communication between drives. The communication hardware and protocol is based on CAN bus.

This communication will be used for drive-to-drive communication (e.g. master-follower), 12-pulse operation and communication to field exciters.

The communication hardware is equipped with an isolated power supply and an isolated transmitter. The bus termination can be set by jumper S1. See also chapter *DCSLink communication*.



Jumper coding

S1 Bus termination

120 Ohm	
*	no termination, park position

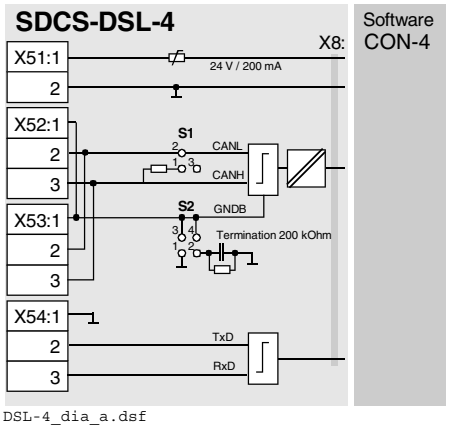
S2 Ground termination

0 Ohm (direct) ground termination	
200 kOhm R-C ground termination	
*	no termination, park position

* Default value

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- X51 supplies 24 V_{DC}
- X52 and X53 are connected in parallel and provide two connectors for the DCSLink
- X54 is not used



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Supply		Remarks
24 V	≤ 200 mA	24 V grounded supply for DCF803-0016, FEX-425-Int and DCF803-0035 field exciters; short circuit protected 250 mA

DSL communication		Remarks
Bus termination		
S1	1-2	120 Ohm
	2-3	no termination; park position
Ground termination		
S2	2-4	200 kOhm R-C ground termination
	1-3	0 Ohm ground termination
	3-4	no termination; park position
RS 485 communication		**Remarks**
		no isolation