ABB DRIVES CANOPEN

Product Data Sheet

NCAN-02C

CANopen Fieldbus Adapter

NETWORK PROTOCOL	MAXIMUM NETWORK NODES	MAXIMUM BIT RATE	MINIMUM BIT RATE
CANopen	**128**	**1 Mbit/s**	**10 kbit/s**

ABB NCAN-02C is a CANopen fieldbus adapter documented for ABB drive installations, including the ACS800-67 wind turbine converter. It links the drive through optical transmit and receive ports and connects to the field network through screw terminals.

01 TECHNICAL DATA

Network protocol	CANopen
Maximum network nodes	128
Maximum bit rate	1 Mbit/s
Minimum bit rate	10 kbit/s
Bus termination	120 Ω, 0.25 W metal film
Network topology	Multidrop
Network medium	Shielded twisted pair
Communication mode	Asynchronous half-duplex
Supply voltage	24 V DC ±10%
Nominal current draw	30 mA at 24 V DC

ABB 3BFE 64254154 Rev B, chapters 2–4 and Appendix B; ACS800-67 +G314 hardware manual, p. 34

02 ADDITIONAL PRODUCT DATA

Enclosure protection	IP20
Mounting	Standard mounting rail
Drive interface	Fiber-optic transmitter and receiver
Terminal block pole count	4 poles per block
Maximum terminal conductor cross-section	2.5 mm²

03 PRODUCT FUNCTION

The adapter supports CANopen rates from 10 kbit/s to 1 Mbit/s and runs from a 24 V DC supply. The rail-mount enclosure is rated IP20, and the CANopen side uses a shielded twisted-pair multidrop bus.

04 SYSTEM COMPATIBILITY

Set the node address and communication rate to match the drive project and the existing bus. Document the switch settings and the configured drive parameters before commissioning.

05 REFERENCE

ABB 3BFE 64254154 Rev B, chapters 2–4 and Appendix B; ACS800-67 +G314 hardware manual, p. 34

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