

ABB ACS800 DDCS COMMUNICATION OPTIONS

Product Data Sheet

RDCO-02C 3ABD64606956

DDCS communication option module

FUNCTION	FAMILY	ORIGIN	WEIGHT
DDCS communication option module	ABB ACS800 DDCS communication opti	Finland	Confirm before dispatch

ACS 800 RDCO-02C 3ABD64606956 is a DDCS communication option module for the ABB ACS800 DDCS communication options. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Module Variant	RDCO-02C coated circuit board
ABB Article Number	3ABD64606956
Primary Function	DDCS fiber-optic communication
Host Boards	RMIO and BCU control units
Channel Count	Four optical channels: CH0–CH3
CH0 Optical Type	5 MBd pair for overriding system
CH1 Optical Type	5 MBd pair for I/O and supply unit
CH2 Optical Type	10 MBd pair for Master/Follower link
CH3 Optical Type	10 MBd pair for ACS800 PC tool
Communication Speed	1, 2 or 4 Mbit/s

ADDITIONAL PRODUCT DATA

Operating Voltage	+5 V DC $\pm 10\%$ from control unit
Current Consumption	200 mA maximum
Degree of Protection	IP20 enclosure rating
Board Connection	20-pin control-unit pinheader
Module Dimensions	9.5 × 3.4 × 3 cm

OFFICIAL APPLICATIONS

- Connect the overriding controller: Use CH0 for the documented overriding control or fieldbus path after matching the optical component type at both ends of the fiber link.
- Coordinate the drive I/O options: Use CH1 for supported I/O options and supply-unit communication while preserving transmitter-to-receiver color coding and the configured ring topology.
- Commission the Master/Follower and PC links: Use CH2 for the Master/Follower link and CH3 for the ACS800 PC tool where the application program assigns those standard channel roles.

SYSTEM COMPATIBILITY

Match RDCO-02C 3ABD64606956 to the installed ABB ACS800 DDCS communication options, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

ABB RDCO-01/02/03/04 DDCS Communication Option Modules 3AFE64492209 Rev B

https://library.e.abb.com/public/fd522b36ab9c825fc1257b5f003f9e48/en_RDCO_DDCS_CommOptionModules_B.pdf

AMIKON PRODUCT SUPPORT

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