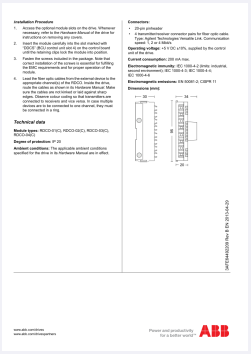
FIELD INSTALLATION QUICK GUIDE

Installation Instructions

RDCO-02C

RDCO-02C Optical Communication Option Module



PRODUCT	RDCO-02C
FAMILY	ABB DDCS
FUNCTION	RDCO-02C Optical Communication Option Module
STATUS	Verify exact installed equipment

Prepared by Amikon Limited from ABB documentation. This guide supplements the complete manufacturer manual and site procedure.

01 CONFIRM THE ORDERED CONFIGURATION

Channel 0 optical component	5 MBd
Channel 1 optical component	5 MBd
Channel 2 optical component	10 MBd
Channel 3 optical component	10 MBd
Supply voltage	5 V DC ±10%
Maximum current consumption	200 mA

02 PREPARATION AND CONNECTION

- Confirm the complete RDCO-02C article number and installed revision.
- Isolate applicable electrical and process energy using the approved site procedure.
- Record every connector, cable, terminal, shield and protective-earth connection before removal.
- Install without forcing keyed parts, then secure terminals, latches, fasteners and cable supports.

03

OFFICIAL INSTALLATION REFERENCE

Installation Procedure

1. Access the optional module slots on the drive. Whenever necessary, refer to the *Hardware Manual* of the drive for instructions on removing any covers.
2. Insert the module carefully into the slot marked with "DDCS" (BCU control unit slot 4) on the control board until the retaining clips lock the module into position.
3. Fasten the screws included in the package. Note that correct installation of the screws is essential for fulfilling the EMC requirements and for proper operation of the module.
4. Lead the fiber optic cables from the external device to the appropriate channel(s) of the RDCO. Inside the drive, route the cables as shown in its *Hardware Manual*. Make sure the cables are not kinked or laid against sharp edges. Observe colour coding so that transmitters are connected to receivers and vice versa. In case multiple devices are to be connected to one channel, they must be connected in a ring.

Technical data

Module types: RDCO-01(C), RDCO-02(C), RDCO-03(C), RDCO-04(C)

Degree of protection: IP 20

Ambient conditions: The applicable ambient conditions specified for the drive in its *Hardware Manual* are in effect.

Connectors:

- 20-pin pinheader
- 4 transmitter/receiver connector pairs for fiber optic cable. Type: Agilent Technologies Versatile Link. Communication speed: 1, 2 or 4 Mbit/s

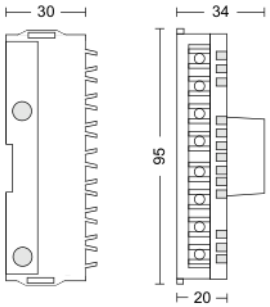
Operating voltage: +5 V DC ±10%, supplied by the control unit of the drive.

Current consumption: 200 mA max.

Electromagnetic immunity: IEC 1000-4-2 (limits: industrial, second environment); IEC 1000-4-3; IEC 1000-4-4; IEC 1000-4-6

Electromagnetic emissions: EN 50081-2; CISPR 11

Dimensions (mm):



3AFE64492209 Rev B EN 2013-04-29

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04 COMMISSIONING CHECKS

01	Confirm product identity and mechanical seating.
02	Verify the documented supply before energising.
03	Inspect polarity, shielding and protective-earth connections.
04	Restore power in the approved sequence and observe status indications.
05	Test each connected input, output or communication path.
06	Record diagnostics and functional-test results before return to service.

05 CONTROLLED DOCUMENT

Official source	ABB 3AFE64492209 Rev B, RDCO-0x DDCS Communication Option Modules
Product record	RDCO-02C
Manufacturer	ABB
Warranty	12 months from AMIKON
Support	INFO@AMIKON.CN

AMIKON PRODUCT SUPPORT

+86-18020776786 INFO@AMIKON.CN **AMIKONG.COM**