NDBU-95 DDCS

Product Data Sheet

NDBU-95C 64008366D

Optical branching unit

BRANCH CHANNELS	MASTER OPTICAL CHANNEL	OPTICAL COMPONENT CLASS	DRIVEWINDOW DEFAULT LINK RATE
9: CH0–CH8	**1: MSTR**	**10 MBd**	**1 Mbit/s**

ABB NDBU-95C 64008366D is an optical branching unit for compatible ABB drive-network arrangements. The NDBU-95 architecture provides nine branch channels and one master optical connection, distributing the optical link between a host connection and multiple drives.

01 TECHNICAL DATA

Branch channels	9: CH0–CH8
Master optical channel	1: MSTR
Optical component class	10 MBd
DriveWindow default link rate	1 Mbit/s
Selectable link rates	1, 2, 4, 8 Mbit/s
Supply connector	X1: 24 V DC
Link-rate selector	X12
Operating-mode selector	X13: DDCS / DRIVEBUS
Optical-power selectors	X2–X11
Power status indication	+5 V OK LED

02 ADDITIONAL PRODUCT DATA

Unused optical channels	DISABLED setting
Optical media	POF or HCS with compatible 10 MBd components

03 PRODUCT FUNCTION

The ABB configuration instructions describe DDCS and DriveBus mode selection, selectable link rates and individual optical-power settings. DriveWindow normally uses a 1 Mbit/s link; 10 MBd identifies the optical component class and must not be confused with that link rate. Cable medium, optical-power setting and board revision determine the permitted connection arrangement.

04 SYSTEM COMPATIBILITY

Set communication speed with X12 and select the required operating mode with X13. DriveWindow uses DDCS mode and a default 1 Mbit/s link; the available speed positions are 1, 2, 4 and 8 Mbit/s. Do not mix 5 MBd and 10 MBd optical components simply because their connectors fit.

05 DOCUMENT BASIS

ABB manufacturer documentation: NDBU-95C 64008366D.pdf. Selected source pages: 1, 3, 5, 6, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21.

AMIKON PRODUCT SUPPORT

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