

Installation Instructions

NDBU-95C

DDCS optical branching unit

ABB DCS and ACS drive systems

Before work begins

- 01 Confirm the exact NDBU-95C article number and installed equipment position.
- 02 Place the equipment in a safe state, isolate all energy sources and follow the applicable ABB discharge or lockout procedure.
- 03 Record terminals, connectors, signal cables, cooling provisions and protective-earth conductors.
- 04 Use ESD controls and qualified industrial-service personnel throughout the replacement.

Model-specific connection checks

Supply Voltage	24 V DC
Optical Channels	9
Communication Speed	1 Mbit/s
Optical Component Rate	10 MBd
Maximum Transmitter Current	50 mA
POF Cable Length	0.1-30 m
HCS Cable Length	0.1-200 m
Address Range	76-124
Mounting	Control cabinet
Protection Class	IP20

Installation sequence

- Inspect the replacement for transport damage, contamination, bent pins and altered keying.
- Install without forcing connectors or terminals; restore all shields, grounds and cooling provisions.
- Secure power and signal connections under the applicable manufacturer procedure.

Commissioning and return to service

01 IP20.

02 Check insulation and protective-earth continuity before energising..

03 Restore auxiliary and main power in the approved sequence..

04 Observe controller, interface and equipment diagnostics..

05 Test the connected signal, network, motor or power function at a controlled operating point..

06 Record the final article number, test results and maintenance approval..

This AMIKON installation reference supplements the applicable ABB controlled documentation and the site safety procedure. Warranty: 12 months from AMIKON.