

Installation Instructions

3AXD50000042865 BDPS-11C

power supply board

ABB Advant S800 I/O

Before work begins

- 01 Confirm the exact 3AXD50000042865 BDPS-11C 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

Operating Temperature	-40°C to +70°C (-40°F to +158°F)
Humidity	5–95% RH (non-condensing)
Marine	DNV/GL, ABS, LR, BV (optional)
Primary Input	18–32 V DC
Backup Input	24 V DC
Output Current	6 A
Holdup Time	≥48 hours
Efficiency	>85% (typical).
Ripple & Noise	<100 mV peak-to-peak
Exact Article Code	3AXD50000042865 BDPS-11C

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 ABB Advant S800 I/O control interface.
- 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.