

Installation Instructions

3AXD50000711888 2MBI1400VXB-120P-50

igbt module

ACS 380

Before work begins

- 01 Confirm the exact 3AXD50000711888 2MBI1400VXB-120P-50 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

Max Collector-Emitter Voltage	1400 V
Rated Collector Current	120 A
Max Power Dissipation	400–600 W
Gate-Emitter Voltage	±20 V
Switching Frequency Range	1 kHz – 20 kHz
Temperature	150°C – 175°C
Exact Article Code	3AXD50000711888 2MBI1400VXB-120P-50
Device Designation	2MBI1400VXB-120P-50
Product Family	ACS 380
Semiconductor Type	IGBT

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 Power semiconductor module.
- 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.