

# Installation Instructions

## **1KHW002238R0001 N4BG**

industrial control module

ABB industrial control systems

## **Before work begins**

- 01 Confirm the exact 1KHW002238R0001 N4BG 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

|                    |                                |
|--------------------|--------------------------------|
| Manufacturer       | ABB                            |
| Exact Article Code | 1KHW002238R0001 N4BG           |
| Product Family     | ABB industrial control systems |
| Component Type     | Industrial Control Module      |
| System Class       | DCS System                     |
| Mounting Format    | Plug-in control rack           |
| System Interface   | Manufacturer backplane bus     |
| Control Supply     | 24 V DC control class          |
| Channel Capacity   | Model-defined channel set      |
| Signal Standard    | System-specific I/O levels     |

## 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 I/O and diagnostic functional test.
- 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.