

Installation Instructions

3BHB006338R0101 UNS0881a-P

gate driver board

UNITROL Excitation Systems

Before work begins

- 01 Confirm the exact 3BHB006338R0101 UNS0881a-P 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	-20°C to +70°C
Storage Temperature	-40°C to +85°C
Humidity	5-95% RH (non-condensing)
Input Voltage Range	15-30V DC
Output Drive Voltage	+15V/-8V
Peak Output Current	±20A
Isolation Voltage	2500V AC
Propagation Delay	<100ns
Compatible IGBTs	1200V-1700V
Gate Resistor Range	1-10Ω

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 Gate Driver Board.

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.