

Installation Instructions

SKKH570/16E

thyristor diode module

SEMIKRON power semiconductor modules

Before work begins

- 01 Confirm the exact SKKH570/16E article number and installed equipment position.
- 02 Place the equipment in a safe state, isolate all energy sources and follow the applicable SEMIKRON 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

Component Class	thyristor diode module [SKKH570/16E P01]
Drive Family	SEMIKRON power semiconductor modules [SKKH570/16E P02]
Primary Function	Switches controlled high-current AC power [SKKH570/16E
Power Architecture	SKKH570/16E industrial architecture [SKKH570/16E P04]
Voltage Class	1600 V repetitive blocking [SKKH570/16E P05]
Current Rating	570 A average on-state [SKKH570/16E P06]
Control Supply	250 mA gate trigger class [SKKH570/16E P07]
Power Section	SEMIKRON power semiconductor modules service section [
Mechanical Design	SKKH570/16E service assembly [SKKH570/16E P09]
Electrical Interface	Isolated baseplate power terminals [SKKH570/16E P10]

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 Validate SKKH570/16E diagnostics and function.
- 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 SEMIKRON controlled documentation and the site safety procedure.
Warranty: 12 months from AMIKON.