

ABB AC 800PEC

Product Data Sheet

3BHB006457R0001 DIODE D1031SH45TS02

igct controller module

FUNCTION igct controller module	FAMILY ABB AC 800PEC	ORIGIN Switzerland	WEIGHT 0.85 kg
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ABB AC 800PEC 3BHB006457R0001 DIODE D1031SH45TS02 is a igct controller module for the ABB AC 800PEC. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Reverse Voltage	4500V+
Forward Current	250–5000A
Switching Speed	<100 µC
Trigger Voltage/Current	+15/-15V pulses
Turn-On/Off Time	300–500 ns
Exact Article Code	3BHB006457R0001 DIODE D1031SH45TS02
Device Designation	DIODE D1031SH45TS02
Product Family	ABB AC 800PEC
Semiconductor Type	IGCT
Switching Position	Drive power converter stage

ADDITIONAL PRODUCT DATA

Gate Interface	Matched ABB gate unit
Cooling Interface	Converter heat-sink mounting
Electrical Matching	Exact voltage and current class
Installation Format	Power semiconductor module
Protective Check	Insulation and gate-circuit test

OFFICIAL APPLICATIONS

- Operate the documented igct controller module: Use 3BHB006457R0001 DIODE D1031SH45TS02 only in the ABB AC 800PEC equipment position identified by the installed hardware list. Match the complete ABB article code, board designation and electrical interface before work begins.
- Restore every recorded connection: Photograph connector keying, terminal references, cable routing, protective earth and adjacent assemblies for 3BHB006457R0001 DIODE D1031SH45TS02. Reconnect the documented interface without changing the approved cabinet arrangement.
- Validate diagnostics before release: After installing 3BHB006457R0001 DIODE D1031SH45TS02, check power-up indications, controller or converter diagnostics and the affected control function. Record measured results and maintenance acceptance before returning the equipment to service.

SYSTEM COMPATIBILITY

Match 3BHB006457R0001 DIODE D1031SH45TS02 to the installed ABB AC 800PEC, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[ABB ABB AC 800PEC documentation](#)

<https://new.abb.com/control-systems>

AMIKON PRODUCT SUPPORT

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