

ABB DRIVES

Product Data Sheet

3BHB030310R0001 5SHY4045L0006

igct module

FUNCTION igct module	FAMILY ABB Drives	ORIGIN Switzerland	WEIGHT 2.64 kg
--------------------------------	-----------------------------	------------------------------	--------------------------

ABB Drives 3BHB030310R0001 5SHY4045L0006 is a igct module for the ABB Drives. The values below are limited to the exact documented article.

01

VERIFIED TECHNICAL DATA

Junction Temperature (Tj)	-40°C to +125°C (operating range)
Storage Temperature	-40°C to +140°C
Blocking Voltage	4500V
Gate Trigger Voltage (VGT)	1.5V to 2.5V
Peak Surge Current (ITSM)	30kA
Turn-On Time (ton)	<5µs
Turn-Off Time (toff)	<10µs
Switching Frequency	Up to 500Hz
Gate Current (IG)	50A
Exact Article Code	3BHB030310R0001 5SHY4045L0006

ADDITIONAL PRODUCT DATA

Device Designation	5SHY4045L0006
Product Family	ABB Drives
Semiconductor Type	IGCT
Switching Position	Drive power converter stage
Gate Interface	Matched ABB gate unit

OFFICIAL APPLICATIONS

- Operate the documented igct module: Use 3BHB030310R0001 5SHY4045L0006 only in the ABB Drives 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 3BHB030310R0001 5SHY4045L0006. Reconnect the documented interface without changing the approved cabinet arrangement.
- Validate diagnostics before release: After installing 3BHB030310R0001 5SHY4045L0006, 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 3BHB030310R0001 5SHY4045L0006 to the installed ABB Drives, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[ABB ABB Drives documentation](#)

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

AMIKON PRODUCT SUPPORT

+86-18020776786

INFO@AMIKON.CN

AMIKONG.COM