

ABB DRIVES

Product Data Sheet

3BHB013085R0001 5SHY3545L0009

igct module

FUNCTION igct module	FAMILY ABB Drives	ORIGIN Switzerland	WEIGHT 2.66 kg
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ABB Drives 3BHB013085R0001 5SHY3545L0009 is a igct module for the ABB Drives. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Operating Junction Temperature (Tj)	-40°C to +125°C
Storage Temperature	-40°C to +140°C
Gate Power Dissipation	20W
Blocking Voltage	4500V
Gate Trigger Voltage (VGT)	1.5V–2.5V
Peak Surge Current (ITSM)	25–30kA
Critical Rate of Current Rise (di/dt)	1kA/μs
Turn-On Time (ton)	<5μs
Turn-Off Time (toff)	<10μs
Switching Frequency	Up to 500Hz

ADDITIONAL PRODUCT DATA

Exact Article Code	3BHB013085R0001 5SHY3545L0009
Device Designation	5SHY3545L0009
Product Family	ABB Drives
Semiconductor Type	IGCT
Switching Position	Drive power converter stage

OFFICIAL APPLICATIONS

- Operate the documented igct module: Use 3BHB013085R0001 5SHY3545L0009 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 3BHB013085R0001 5SHY3545L0009. Reconnect the documented interface without changing the approved cabinet arrangement.
- Validate diagnostics before release: After installing 3BHB013085R0001 5SHY3545L0009, 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 3BHB013085R0001 5SHY3545L0009 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

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