

ABB DRIVES

Product Data Sheet

3BHB013088R0001 5SHY3545L0010 3BHE009681R0101 GVC750 BE101

igct module

FUNCTION	FAMILY	ORIGIN	WEIGHT
igct module	ABB Drives	Switzerland	2.7 kg

ABB Drives 3BHB013088R0001 5SHY3545L0010 3BHE009681R0101 GVC750 BE101 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

Turn-On Time (ton)	<5μs
Turn-Off Time (toff)	<10μs
Switching Frequency	Up to 500Hz
Junction Temperature Range	-40°C to +125°C
Storage Temperature	-40°C to +140°C
Repetitive Blocking Voltage	4500V
Gate Trigger Voltage (VGT)	1.5-2.5V
Average On-State Current (ITAV)	3500A
Peak Surge Current (ITSM)	30kA (1ms)
Critical di/dt	1000A/μs

Peak Gate Current (IG)	50A
Gate Power Dissipation	20W
Exact Article Code	3BHB013088R0001 5SHY3545L0010 3BHE009681R0101 GVC750 BE101
Device Designation	5SHY3545L0010 3BHE009681R0101 GVC750 BE101
Product Family	ABB Drives

- Operate the documented igct module: Use 3BHB013088R0001 5SHY3545L0010 3BHE009681R0101 GVC750 BE101 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 3BHB013088R0001 5SHY3545L0010 3BHE009681R0101 GVC750 BE101. Reconnect the documented interface without changing the approved cabinet arrangement.
- Validate diagnostics before release: After installing 3BHB013088R0001 5SHY3545L0010 3BHE009681R0101 GVC750 BE101, 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.

Match 3BHB013088R0001 5SHY3545L0010 3BHE009681R0101 GVC750 BE101 to the installed ABB Drives, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

[ABB ABB Drives documentation](#)

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

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