

ABB DRIVES

Product Data Sheet

3BHB020720R0002 5SHY3545L0016

igct module

FUNCTION	FAMILY	ORIGIN	WEIGHT
igct module	ABB Drives	Switzerland	1.22 kg

ABB Drives 3BHB020720R0002 5SHY3545L0016 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 Temp	-40°C to +125°C
Recommended Coolant Temp	5–55°C (inlet)
Configuration	Single IGCT
Voltage Rating	4500 V
Current Rating	1200 A
Critical dv/dt	1000 V/μs (min.)
Isolation Voltage	10 kV RMS
Mounting Force	35–45 kN
Exact Article Code	3BHB020720R0002 5SHY3545L0016
Device Designation	5SHY3545L0016

ADDITIONAL PRODUCT DATA

Product Family	ABB Drives
Semiconductor Type	IGCT
Switching Position	Drive power converter stage
Gate Interface	Matched ABB gate unit
Cooling Interface	Converter heat-sink mounting

OFFICIAL APPLICATIONS

- Operate the documented igct module: Use 3BHB020720R0002 5SHY3545L0016 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 3BHB020720R0002 5SHY3545L0016. Reconnect the documented interface without changing the approved cabinet arrangement.
- Validate diagnostics before release: After installing 3BHB020720R0002 5SHY3545L0016, 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 3BHB020720R0002 5SHY3545L0016 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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