

ACS800 DRIVE POWER STAGE

Product Data Sheet

AGDR-71C 6MBI450U-120

IGBT gate driver board

FUNCTION	FAMILY	ORIGIN	WEIGHT
IGBT gate driver board	ACS800 drive power stage	Finland	1.05 kg

ABB AGDR-71C 6MBI450U-120 is a IGBT gate driver board for the ACS800 drive power stage. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Driver Board	AGDR-71C
Power Semiconductor	6MBI450U-120 IGBT
Current Class	450 A module class
Voltage Class	1200 V IGBT class
Drive Family	ABB ACS800
Primary Function	IGBT gate control
Power Stage Role	Switching command isolation
Connection Type	Gate and emitter leads
Feedback Function	Driver fault monitoring
Cooling Interface	Power module heatsink

ADDITIONAL PRODUCT DATA

Replacement Check	IGBT and driver pairing
Static Precaution	ESD-controlled handling
Commissioning	DC-link and gate test
Assembly Position	Drive inverter power stage
Board Identification	AGDR-71C nameplate

OFFICIAL APPLICATIONS

- Use the documented driver board: Apply AGDR-71C 6MBI450U-120 where driver board is AGDR-71C. Confirm the installed hardware, field circuit and configuration before connection.
- Match the specified current class: Verify current class as 450 A module class together with the exact terminals, companion equipment and approved engineering record.
- Complete the board identification: After installation, perform agdr-71c nameplate, review diagnostics and save the measured result before returning the equipment to service.

SYSTEM COMPATIBILITY

Match AGDR-71C 6MBI450U-120 to the installed ACS800 drive power stage, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

ABB product and system documentation

<https://library.abb.com/>

AMIKON PRODUCT SUPPORT

+86-18020776786

INFO@AMIKON.CN

AMIKONG.COM