

ABB ACS800 CONVERTER POWER STAGES

Product Data Sheet

FS450R12KE3/AGDR-71CS

IGBT gate driver assembly

FUNCTION	FAMILY	ORIGIN	WEIGHT
IGBT gate driver assembly	ABB ACS800 converter power stages	Switzerland	Confirm before dispatch

ABB Drives FS450R12KE3/AGDR-71CS is a IGBT gate driver assembly for the ABB ACS800 converter power stages. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Power Module	FS450R12KE3
Gate Driver	AGDR-71CS
IGBT Voltage Class	1200 V
IGBT Current Class	450 A
Driver Supply	+15 V DC
Driver Current	250 mA typical
Isolation Test	2500 V AC
Switching Frequency	0 to 20 kHz
Operating Ambient	-40 to +70 °C
Storage Ambient	-40 to +125 °C

ADDITIONAL PRODUCT DATA

Gate Channels	Dual IGBT channel
Drive Family	ABB ACS800
Protection Input	Desaturation feedback
Control Interface	Fiber/control-board interface
Replacement Set	Module and matched driver

OFFICIAL APPLICATIONS

- Apply FS450R12KE3/AGDR-71CS in its documented equipment: Use FS450R12KE3/AGDR-71CS as the IGBT gate driver assembly in the ABB ACS800 converter power stages. Confirm igbt voltage class 1200 V and the exact installed arrangement before connection.
- Preserve the operating ambient configuration: Record the product label, operating ambient (-40 to +70 °C), cable identification, grounding and adjacent hardware before removing the installed unit.
- Prove the IGBT gate driver assembly under controlled conditions: After installation, verify control interface (Fiber/control-board interface), check diagnostics and test the affected function before returning the equipment to service.

SYSTEM COMPATIBILITY

Match FS450R12KE3/AGDR-71CS to the installed ABB ACS800 converter power stages, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[ABB controlled technical reference](#)

AMIKON PRODUCT SUPPORT

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