

FS450R12KE3-AGDR-71C-S

IGBT Module Kit with TIM Foil



INSTALLATION AND COMMISSIONING WORKBOOK

1

IDENTIFY

2

ISOLATE

3

INSTALL

4

VERIFY

Preparation gate

Complete these checks before disconnecting the installed product.

1	Confirm both 68569354 and the full FS450R12KE3/AGDR-71C S designation.	☐
2	Lock out the ACS800 input and prove the DC link fully discharged.	☐
3	Record all busbar, gate and sensor connections before dismantling the power stage.	☐
4	Use ESD controls and protect every module terminal and insulating surface.	☐

PRE-WORK RECORD

Work order	_____	Drawing / revision	_____
Checked by	_____	Date	_____

Installation and connection sequence

Before installing FS450R12KE3-AGDR-71C-S, confirm ABB product ID 68569354, the ACS800 drive configuration and the approved TIM-foil service instruction. Keep the power stage discharged and verify the module seating, foil placement, connections and post-repair diagnostics before enabling the drive.

05

Follow the ABB TIM-foil surface preparation and placement sequence exactly.

06

Tighten only in the documented pattern and to the drive-specific torque values.

07

Recheck clearances, insulation barriers, cooling surfaces and connection polarity.

08

Run controlled drive diagnostics before applying a motor load or returning to service.

Commissioning record

Record the controlled checks used to release this exact product.

1. Identity / article	PASS / FAIL	_____

2. Mechanical installation	PASS / FAIL	_____

3. Power / wiring	PASS / FAIL	_____

4. Grounding / shielding	PASS / FAIL	_____

5. Configuration	PASS / FAIL	_____

6. Signal response	PASS / FAIL	_____

7. Diagnostics / alarms	PASS / FAIL	_____

8. Final release	PASS / FAIL	_____

MODEL-SPECIFIC ACCEPTANCE

Confirm FS450R12KE3-AGDR-71C-S, ABB product ID 68569354, the exact ACS800 power-unit frame and hardware revision, TIM-foil kit, module and gate connections, busbars, insulation, cooling path, drive firmware, parameter backup and controlled no-load diagnostics before commissioning.

Engineering navigation and closeout

Eight different validated product pages for related system planning.

VALIDATED RELATED ENGINEERING PAGES	
01	ABB Drives product collection
02	YPC111B optical distributor
03	3BHB003041R0101 UFC719AE01 I/O control board
04	ZINT-592 3AUA0000103603 interface board
05	ZCU-14 3AXD50000182992 control unit
06	ZCU-14 3AXD50000005164 expansion module
07	XV C772 A102 high-voltage divider board
08	NBRA-657C 59006410 braking chopper

Navigation links only - not manufacturer evidence for technical parameters.

MANUFACTURER SOURCE

ACS800 ECONOPACK+ IGBT MODULES TO TIM FOIL | 3AXD10001699553 Revision E, 01 April 2024

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