

80190-300-01-R

PowerFlex 7000 external input/output board

Documented PowerFlex 7000 control-platform service function

PRODUCT SNAPSHOT

BRAND

Allen-Bradley

FAMILY

Allen-Bradley PowerFlex 7000 medium-voltag

PART

80190-300-01-R

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PRODUCT OVERVIEW

Documented PowerFlex 7000 control-platform service function

1

Uses the complete manufacturer catalog identity

2

Supports a documented PowerFlex 7000 service position

3

Requires exact revision and connector matching

4

Retains the approved drive project configuration

SYSTEM COMPONENTS

PowerFlex 7000 medium-voltage drive

documented drive control platform

matching keyed connectors

approved drive project and firmware record

TECHNICAL NOTE

Verify the complete 80190-300-01-R marking, hardware revision, installed drive position, keyed connectors and approved PowerFlex 7000 project before removal; after installation, restore only the recorded configuration and complete the drive diagnostic sequence.

TECHNICAL DATA

PARAMETER	VALUE
Catalog number	80190-300-01-R
Board designation	XIO
Board type	External Input / Output Board

PARAMETER	VALUE
I/O voltage	120 to 240 V AC
Drive platform	PowerFlex 7000

ENGINEERING NOTE

Verify the complete 80190-300-01-R marking, hardware revision, installed drive position, keyed connectors and approved PowerFlex 7000 project before removal; after installation, restore only the recorded configuration and complete the drive diagnostic sequence.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
GE IC670ALG620	Related industrial automation product	View GE IC670ALG620 page
GE IC670ALG330	Related industrial automation product	View GE IC670ALG330 page
GE IC670ALG320	Related industrial automation product	View GE IC670ALG320 page
GE IC670ALG310	Related industrial automation product	View GE IC670ALG310 page
GE IC670ALG240	Related industrial automation product	View GE IC670ALG240 page
GE IC670ALG230	Related industrial automation product	View GE IC670ALG230 page
GE IC670MFP100	Related industrial automation product	View GE IC670MFP100 page
GE IC670FBI001	Related industrial automation product	View GE IC670FBI001 page

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

PowerFlex 7000 maintenance service

Uses the complete manufacturer catalog identity

Drive control-platform restoration

Supports a documented PowerFlex 7000 service position

Planned shutdown replacement

Requires exact revision and connector matching

Commissioning configuration verification

Retains the approved drive project configuration

PRODUCT PRECAUTIONS

- 1 Verify the complete 80190-300-01-R marking and its assigned Allen-Bradley PowerFlex 7000 medium-voltage drive position before work.
- 2 Place the connected powerflex 7000 maintenance service process in the approved maintenance state.
- 3 Isolate applicable power and documented powerflex 7000 control-platform service function field energy before disconnecting conductors.
- 4 Record connector, conductor, address, firmware and software identities before removal.
- 5 Use ESD controls and protect keyed interfaces, exposed contacts and electronic assemblies.
- 6 Confirm the installed PowerFlex 7000 medium-voltage drive and documented drive control platform against the approved project.
- 7 Restore power in a controlled sequence and review device, network and host diagnostics.
- 8 Prove the intended drive control-platform restoration function and retain the final test result.

ENGINEER FAQ

Q1 Does 80190-300-01-R match PowerFlex 7000 medium-voltage drive in a PowerFlex 7000 maintenance service installation?

Verify the complete 80190-300-01-R marking, the documented Allen-Bradley PowerFlex 7000 medium-voltage drive position and the installed PowerFlex 7000 medium-voltage drive before fitting the assembly.

Q3 Which Allen-Bradley PowerFlex 7000 medium-voltage drive records should be captured before removing 80190-300-01-R?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with 80190-300-01-R before disconnection.

Q5 Which documented drive control platform condition should be checked when 80190-300-01-R reports an abnormal state?

Check the documented drive control platform supply, seating and connection first, then compare channel diagnostics with the recorded 80190-300-01-R baseline.

Q7 What maintenance evidence is required after 80190-300-01-R is used for Planned shutdown replacement?

Retain the nameplate record, corrective action, final diagnostics and a controlled planned shutdown replacement functional-test result for 80190-300-01-R.

Q2 How should 80190-300-01-R be wired when it must uses the complete manufacturer catalog identity?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for 80190-300-01-R; then continuity-test the affected path.

Q4 What controlled test confirms that 80190-300-01-R can supports a documented powerflex 7000 service position?

Apply the approved field or simulated stimulus, observe the Allen-Bradley PowerFlex 7000 medium-voltage drive indication and confirm the intended response without bypassing the normal interlocks.

Q6 Can 80190-300-01-R be moved directly into Drive control-platform restoration without validating approved drive project and firmware record?

No. Confirm the approved drive project and firmware record, revision, connection scheme and Allen-Bradley PowerFlex 7000 medium-voltage drive configuration before transferring 80190-300-01-R to that duty.

Q8 How should 80190-300-01-R be returned to service in Commissioning configuration verification?

Restore power under control, verify requires exact revision and connector matching, exercise the intended signal path and release 80190-300-01-R only after the Allen-Bradley PowerFlex 7000 medium-voltage drive remains in its approved operating state.

SOURCE Rockwell Automation PowerFlex 7000 Medium Voltage AC Drive Troubleshooting Guide | 7000-TG002

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