

81000-199-51-R

PowerFlex 7000 service assembly

Documented PowerFlex 7000 control-platform service function

PRODUCT SNAPSHOT

BRAND

Allen-Bradley

FAMILY

Allen-Bradley PowerFlex 7000 medium-voltag

PART

81000-199-51-R

ORIGIN / HS

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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 81000-199-51-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	81000-199-51-R

PARAMETER	VALUE
Platform	PowerFlex 7000

ENGINEERING NOTE

Verify the complete 81000-199-51-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
Honeywell 8C-TDODA1-51307149-175	Related industrial automation product	View Honeywell 8C-TDODA1-51307149-175 page
Honeywell 900A16-0101	Related industrial automation product	View Honeywell 900A16-0101 page
Honeywell 8C-PDODA1-51454472-175	Related industrial automation product	View Honeywell 8C-PDODA1-51454472-175 page
Honeywell 621-9937C	Related industrial automation product	View Honeywell 621-9937C page
Honeywell 621-9934C-563640	Related industrial automation product	View Honeywell 621-9934C-563640 page
Honeywell 8C-PDOD51	Related industrial automation product	View Honeywell 8C-PDOD51 page
Honeywell 8C-PAIH51-51454352-175	Related industrial automation product	View Honeywell 8C-PAIH51-51454352-175 page
Honeywell 80363975-150	Related industrial automation product	View Honeywell 80363975-150 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 81000-199-51-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 81000-199-51-R match PowerFlex 7000 medium-voltage drive in a PowerFlex 7000 maintenance service installation?

Verify the complete 81000-199-51-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 81000-199-51-R?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with 81000-199-51-R before disconnection.

Q5 Which documented drive control platform condition should be checked when 81000-199-51-R reports an abnormal state?

Check the documented drive control platform supply, seating and connection first, then compare channel diagnostics with the recorded 81000-199-51-R baseline.

Q7 What maintenance evidence is required after 81000-199-51-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 81000-199-51-R.

Q2 How should 81000-199-51-R be wired when it must use the complete manufacturer catalog identity?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for 81000-199-51-R; then continuity-test the affected path.

Q4 What controlled test confirms that 81000-199-51-R can support 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 81000-199-51-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 81000-199-51-R to that duty.

Q8 How should 81000-199-51-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 81000-199-51-R only after the Allen-Bradley PowerFlex 7000 medium-voltage drive remains in its approved operating state.

SOURCE Rockwell Automation PowerFlex 7000 official manuals and product environmental compliance records | 7000-TG002; 7000-UM201; PEC-TD011

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