

APTER POWER

COMPLETE PRODUCT INFORMATION

41391-261-52

SMC-Flex Power Pole

Allen-Bradley 41391-261-52 is an SMC-Flex power pole. It forms part of the motor-current power path inside the matching SMC-Flex smart motor controller.

PRODUCT SNAPSHOT

BRAND

Allen-Bradley

FAMILY

Allen-Bradley SMC-Flex smart motor control

PART

41391-261-52

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41391-261-52

PRODUCT OVERVIEW

Allen-Bradley 41391-261-52 is an SMC-Flex power pole. It forms part of the motor-current power path inside the matching SMC-Flex smart motor controller.

1

Forms a replaceable SMC-Flex power-path section

2

Carries controlled motor line current

3

Fits the matching SMC-Flex frame assembly

4

Supports repair of the controller power section

SYSTEM COMPONENTS

Matching SMC-Flex controller frame

Power-pole mounting hardware

Line and load conductors

SMC-Flex control module

TECHNICAL DATA

PARAMETER	VALUE
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APTER POWER

TECHNICAL NOTE

Lock out the motor feeder, verify the exact SMC-Flex frame and pole position, torque all power connections to the controller service procedure and complete insulation and phase-current checks.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

SMC-Flex power-section repair

Forms a replaceable SMC-Flex power-path section

Motor starter maintenance

Carries controlled motor line current

Soft-starter pole replacement

Fits the matching SMC-Flex frame assembly

Power-path fault restoration

Supports repair of the controller power section

PRODUCT PRECAUTIONS

- 1 Verify the complete 41391-261-52 marking and the assigned Allen-Bradley SMC-Flex smart motor controller position before field work.
- 2 Isolate the applicable power, network and field energy before disconnecting 41391-261-52.
- 3 Use ESD controls and protect the keyed connectors of 41391-261-52 during handling.
- 4 Record the installed wiring, jumpers, node or channel assignment before replacement.
- 5 Confirm Matching SMC-Flex controller frame and Power-pole mounting hardware against the approved system configuration.
- 6 Restore 41391-261-52 under controlled conditions and review the product-specific diagnostics.
- 7 Complete a functional test for smc-flex power-section repair before production release.

ENGINEER FAQ

Q1 Which Matching SMC-Flex controller frame identity must be verified before fitting the 41391-261-52 SMC-Flex Power Pole?

Match the complete 41391-261-52 marking, assigned Allen-Bradley SMC-Flex smart motor controller position and installed Matching SMC-Flex controller frame before work.

Q2 How should Power-pole mounting hardware be isolated before disconnecting the 41391-261-52 SMC-Flex Power Pole?

Place the affected process in its approved maintenance state, isolate applicable energy and prove Power-pole mounting hardware safe before disconnection.

Q3 What as-found wiring record is required for the 41391-261-52 SMC-Flex Power Pole in SMC-Flex power-section repair?

Record terminal identity, polarity, shields, jumpers, cable tags and the as-found diagnostic state for 41391-261-52.

Q4 Which Allen-Bradley SMC-Flex smart motor controller configuration must be checked when commissioning the 41391-261-52 SMC-Flex Power Pole?

Verify the assigned channel, slot, node or interface and compare it with the approved Allen-Bradley SMC-Flex smart motor controller configuration before enabling 41391-261-52.

Q5 How can the 41391-261-52 SMC-Flex Power Pole be function-tested for Motor starter maintenance without disturbing the process?

Use a controlled stimulus or limited command, observe the expected system indication and confirm the intended response while normal interlocks remain effective.

Q6 Which diagnostics should be reviewed if the 41391-261-52 SMC-Flex Power Pole stops performing its assigned system function?

Check seating, the matched Matching SMC-Flex controller frame, the condition of Power-pole mounting hardware and the model-specific diagnostics before replacing more hardware.

Q7 Can the 41391-261-52 SMC-Flex Power Pole used for Soft-starter pole replacement be transferred to another Allen-Bradley SMC-Flex smart motor controller position without engineering review?

No. Confirm the hardware execution, connector scheme and approved Allen-Bradley SMC-Flex smart motor controller configuration before transferring 41391-261-52 to a different duty.

Q8 What evidence should be retained after the 41391-261-52 SMC-Flex Power Pole returns to Power-path fault restoration service?

Retain the physical identification, as-left wiring or configuration, final diagnostics and controlled functional-test result for 41391-261-52.

SOURCE Rockwell Automation Knowledgebase | Replacement for 41391-261-52 SMC-Flex power pole

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