

SMC-Flex Power Pole

Field workbook for exact-model verification, as-found recording, controlled installation and final functional acceptance.

WORK ORDER IDENTITY

Site / unit

Equipment tag

Drawing / loop reference

Technician / date

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MANDATORY MODEL GATE

- ☐ Physical label reads 41391-261-52 in full.
- ☐ Assigned host platform is documented as Allen-Bradley SMC-Flex smart motor control.
- ☐ Installed companion hardware includes Matching SMC-Flex controller frame.
- ☐ Field interface and cabling match Power-pole mounting hardware.
- ☐ The approved drawings and manufacturer record are available at the work location.
- ☐ No rating or configuration has been copied from a visually similar model.

Pre-work review and as-found record

PRE-WORK CHECKLIST

- ☐ Verify the complete 41391-261-52 marking, hardware execution and assigned Allen-Bradley SMC-Flex smart motor control position.
- ☐ Place the process in the approved maintenance state and isolate every applicable energy source.
- ☐ Record as-found wiring, shields, jumpers, cable tags, slot identity and diagnostics before removing 41391-261-52.
- ☐ Use ESD controls and protect keyed connectors, terminals and assemblies while handling 41391-261-52.
- ☐ Confirm the installed Matching SMC-Flex controller frame and Power-pole mounting hardware against approved drawings and configuration records.

AS-FOUND RECORD

Installed position / slot	
Companion module or assembly	
Supply / network state	
Cable and terminal identifiers	
Jumpers / range / configuration	
Active diagnostics / status indications	
Photograph or drawing reference	

CONTROLLED INSTALLATION SEQUENCE

- 1

Use ESD controls and protect keyed connectors, terminals and assemblies while handling 41391-261-52.
- 2

Confirm the installed Matching SMC-Flex controller frame and Power-pole mounting hardware against approved drawings and configuration records.
- 3

Inspect mating hardware, terminal condition, grounding and mechanical retention before installation.
- 4

Restore power or network service in controlled stages; confirm status indications before functional commands.
- 5

Complete a documented functional test for smc-flex power-section repair and retain the as-left record.

FIELD TECHNICAL REFERENCE

CURRENT RATING 251 A	LINE VOLTAGE 200–480 V AC
COMPATIBILITY SMC Flex / SMC-3, Series A & B	INTERNAL COMPONENTS 2 SCRs and 1 internal bypass contactor
PART CATEGORY Replacement power pole	PRODUCT-PAGE WEIGHT 0.35 kg
PRODUCT-PAGE DIMENSIONS 22.8 × 11.8 × 5 cm	

MODEL-SPECIFIC CAUTION

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

Commissioning, diagnostics and acceptance record

COMMISSIONING STEPS

☐ Confirm mechanical seating, retention, terminal condition and required protective covers.

☐ Verify supply, grounding, shields, polarity, continuity and network state before energization.

☐ Compare slot, channel, range and companion-hardware configuration with approved records.

☐ Restore service in controlled stages and record initial status indications and diagnostics.

☐ Perform a controlled smc-flex power-section repair functional test with process safeguards effective.

☐ Record final diagnostics, configuration, deviations, test evidence and release authorization.

MEASURED / OBSERVED RESULTS

Initial diagnostics

Supply / network value

Channel or command result

Process indication

Interlock / safeguard result

Final status

Related product pages and handover record

Related Allen-Bradley drive and control hardware on Apter Power

MODEL	SERIES / SYSTEM ROLE	APTER POWER PAGE
1336T-LM1EN	Allen-Bradley drive interface/control hardware	Open product page
1426-M5E-DNT	Power-monitoring hardware for feeder systems	Open product page
1771-NOC	PLC-5 analog output control module	Open product page
1794-ACNR15	FLEX I/O ControlNet adapter	Open product page

FINAL HANDOVER CHECKLIST

- ☐ Exact model and installed position confirmed
- ☐ As-left wiring and configuration recorded
- ☐ Manufacturer diagnostics reviewed and cleared or dispositioned
- ☐ Functional test completed with acceptance result attached
- ☐ Protective covers restored and work area inspected
- ☐ Operations / maintenance handover authorization recorded

Released by

Date

Remarks

MANUFACTURER SOURCE RECORD

Rockwell Automation Knowledgebase | replacement guidance for 41391-261-52 SMC-Flex power pole