



AF09-30-10-13 CONTACTOR

100-250V50/60HZ-DC



ABB AF09 Series - Commissioning Checklist

Step-by-step guide for integrators and panel builders

AUTHORIZED CHANNEL PARTNER



94426-33195



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Step-by-step guide for integrators and panel builders

Pre-Installation Checks

- ☐ Verify correct model & rating (AF09-30-10-13)
- ☐ Check coil voltage range (100–250 V AC/DC, 50/60 Hz)
- ☐ Confirm compliance with IEC/UL standards
- ☐ Ensure proper environment (temperature, humidity, IP20 protection)
- ☐ Gather required accessories and mounting hardware

Mechanical Mounting

- ☐ DIN rail mounting: secure fit, no excessive vibration
- ☐ Screw mounting: use 2 x M4 screws diagonally
- ☐ Maintain adequate clearances and ventilation
- ☐ Position panel layout away from heat sources

Electrical Wiring & Torques

- ☐ Main circuit: tighten terminals to 1.5 N·m
- ☐ Auxiliary circuit: tighten terminals to 1.2 N·m
- ☐ Control circuit: tighten terminals to 1.2 N·m
- ☐ Wire stripping length: 10 mm for all circuits
- ☐ Confirm wire size matches spec (0.75–6 mm²)

Functional Tests & Timing Checks

- ☐ Coil energization at 100–250 V AC/DC
- ☐ Check NO/NC contact opening/closing timing
- ☐ Continuity test for all contacts
- ☐ Run load/motor test for overheating
- ☐ Confirm built-in surge suppression operation

Maintenance Schedule

- ☐ Quarterly: inspect terminals for overheating
- ☐ Bi-Annually: torque-check all connections, clean dust
- ☐ Annually: check coil response & auxiliary contacts
- ☐ Replace worn contacts or degraded coils



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