140DDM39000

Controlled installation and commissioning guide

EXACT PRODUCT ROLE

mixed 24 V DC module with 16 inputs and eight solid-state outputs. This guide keeps the exact model as the controlling identity and does not substitute a neighboring part.

Pre-work identity record

Total I/O	24 points
Inputs	16 sink inputs, 2 groups of 8
Outputs	8 solid-state outputs, 2 groups of 4
Field voltage	24 V DC
Addressing	1 input word and 0.5 output word
Output current	Up to 0.5 A per point, 2 A per group, 4 A per module

RELEASE HOLD POINT

Do not begin removal until the installed marking, rack and slot, field-circuit references, software configuration and approved maintenance state have all been recorded.

SCOPE CONFIRMATION

Compare the installed label character by character with the work order. Record any suffix, coating, firmware, connector or memory detail that could change the approved hardware configuration.

BASELINE EVIDENCE

Capture the as-found LED pattern, controller diagnostic state and affected process values so that the final acceptance check has a traceable comparison point.

Plan the intervention

Translate the approved cabinet record into a controlled work package

Configuration and wiring preparation

- Separate input and output field circuits exactly as shown in the approved wiring drawing.
- Respect the 0.5 A point, 2 A group and 4 A module output limits.
- Keep the two output-group fuses identifiable and accessible.
- Map one input word and half an output word in the controller project.

EVIDENCE BOUNDARY

Use the exact-model Schneider Electric evidence and the approved site drawing together. Manufacturer evidence establishes product limits; the site record establishes terminal assignments, process meaning, protection and cabinet routing.

PRESERVE BEFORE REMOVAL

Photograph the full model label, connector orientation, slot location, cable and terminal labels, LED state and any removable memory, key or fuse arrangement that applies to this exact model.

CONFIGURATION EVIDENCE

Record the exact project revision, rack position, channel or network mapping, cable and terminal identities, and every installation-specific value that cannot be established from the product document alone.

WORK-PACKAGE COMPLETENESS

Include the exact Schneider Electric evidence, current cabinet drawing, I/O or network schedule, isolation plan, acceptance sheet and a rollback path before the intervention is released.

Install under control

Mechanical, electrical and configuration checks

Ordered field checklist

- Record the complete 140DDM39000 marking.
- Isolate both input and output field supplies.
- Confirm 24 V DC circuit polarity and grouping.
- Verify all 16 input labels and states.
- Check all eight output loads and current limits.
- Inspect both 5 A output-group fuses.

MECHANICAL COMPLETION

Seat the module or accessory without forcing connectors. Restore every latch, screw, cable restraint and protective-earth arrangement specified by the rack and cabinet documentation.

ELECTRICAL COMPLETION

Compare every conductor and external supply with the approved point list before power is restored. Do not infer a terminal assignment from a similar model or from physical appearance.

CONFIGURATION COMPLETION

Confirm that the controller project resolves the exact hardware identity, address and channel mapping expected for the installed position.

As-found and as-left record

Installed identity	Full model, suffix, rack and slot
Connections	Cable, terminal, fuse and field-supply labels
Configuration	Project revision, channel mapping and diagnostics
Acceptance	Measured results, alarms cleared and final approver

Commission and accept

Prove identity, communication and every affected field function

Acceptance sequence

- Inspect the completed work with power removed and verify all labels against the work package.
- Restore power in the approved sequence and observe the first diagnostic state without forcing field outputs.
- Review Active, field-power and fault LEDs.
- Document point-by-point input and output acceptance.
- Compare controller diagnostics, channel data and process feedback with the pre-work baseline.
- Record measured results, alarms, software revision, final rack state and the person accepting the work.

STOP CRITERIA

Stop commissioning if the exact model is not recognized, a channel disagrees with its point record, an unexpected diagnostic remains active, field power is outside the documented range or the approved redundancy state cannot be restored.

ACCEPTANCE RECORD

Retain the as-left drawing, configuration backup, point results, diagnostic screenshots and any changed fuse, cable or module identifiers with the maintenance record.

Final review prompts

Identity	Does every record show the complete exact model?
Energy	Are all supplies, grounds and protective devices restored?
Function	Did every affected channel, network or rack function pass?
Traceability	Are the as-left files and acceptance signatures complete?

Reference and support

Verified ApterPower product pages and direct contact

Verified related ApterPower product pages

Schneider Electric 140CHS11000

Schneider Electric 140DSI35300

RECOMMENDATION BOUNDARY

These links identify other verified ApterPower Modicon Quantum product pages for catalog navigation only. They do not establish compatibility, substitution or approval for the current installation.

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DOCUMENT BOUNDARY

This field guide supports controlled planning and acceptance; it does not replace the official Schneider Electric instructions, the approved system design or site-specific safe-work requirements.