140DDO84300C

conformal-coated 16-channel 10 to 60 V DC source-output module

VERIFIED OVERVIEW

The 140DDO84300C switches sixteen externally powered DC loads while providing group protection and front-panel status for each commanded output. The information below is restricted to the exact model and the available manufacturer evidence.

Core identity

Output count	16
Grouping	2 groups of 8
Logic	Positive logic (source)
Output range	10 to 60 V DC; 72 V absolute maximum
Addressing	1 output word
Load limits	12 A module; 6 A per group

SELECTION RULE

Use the full product marking and the approved project record. A shared Quantum family name or similar terminal pattern is not proof that another module can replace this one.

Documented function markers

- 16 positive-logic source outputs
- Two groups of eight channels
- 10 to 60 V DC output range
- Humiseal 1A33 conformal coating

RECORD BOUNDARY

Packaging data, shipping dimensions and seller descriptions are not used as installed-product engineering parameters in this document.

Documented parameters

Exact-model electrical and system values

Output count	16
Grouping	2 groups of 8
Logic	Positive logic (source)
Output range	10 to 60 V DC; 72 V absolute maximum
Addressing	1 output word
Load limits	12 A module; 6 A per group
Response	Up to 1 ms in either direction
Protective treatment	Humiseal 1A33 conformal coating

PARAMETER USE

Apply these values as product boundaries, then confirm the installed circuit, fuse, field supply, controller configuration and environmental design in the approved site documentation.

Parameter verification prompts

- Record the complete 140DDO84300C marking.
- Isolate both external field-power groups.
- Confirm 10 to 60 V DC source-output circuits.
- Verify the two groups of eight channels.

NO INFERRED VALUES

Where the exact Schneider Electric evidence does not state a value, the value remains installation-specific and must be obtained from the approved project record or the installed nameplate.

Application context

How the exact model fits a documented Quantum system

DC LOAD SWITCHING

Controls sixteen positive-logic field loads.

GROUPED OUTPUT CONTROL

Separates outputs into two groups of eight.

PROTECTED CABINET OUTPUTS

Uses documented point and group fuse protection.

COATED HARDWARE

Provides Humiseal 1A33 treatment for the exact C variant.

Integration controls

- Divide the sixteen loads into the two approved eight-channel groups.
- Observe the 6 A group and 12 A module load-current boundaries.
- Use a 2 A fuse for each point and an 8 A fuse for each group as specified.
- Confirm external field power and source-output polarity before energization.

TRACEABILITY

Retain the full model, rack and slot, terminal or cable identities, software configuration and acceptance results. These records make later troubleshooting and replacement decisions auditable.

Controlled release checks

- Check 2 A point and 8 A group fuses.
- Keep loads inside group and module limits.
- Review Active, external-fault and 16 status LEDs.
- Document every commanded output before release.

Exact-model FAQ

Questions answered only from the documented product identity

How many outputs are provided?
16.

How are the channels grouped?
Two groups of eight.

What output voltage is specified?
10 to 60 V DC.

What logic is used?
Positive logic, or source outputs.

What addressing is required?
One output word.

What are the load-current limits?
12 A per module and 6 A per group.

Which fuses are specified?
2 A for each point and 8 A for each group.

What distinguishes the C variant?
Humiseal 1A33 conformal coating is listed for 140DDO84300C.

Verified references

ApterPower navigation, evidence boundary and direct contact

Verified related ApterPower product pages

Schneider Electric 140NRP95400

Schneider Electric 140NOE77111

SOURCE BOUNDARY

Product facts in this document were prepared from the available exact-model Schneider Electric evidence. Related product links are navigation references, not compatibility claims.

IDENTITY BOUNDARY

The complete model remains the controlling identity. Similar product names, adjacent catalog rows or a matching connector do not establish interchangeability.

Talk to Apter Power

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SUPPORT REQUEST

When contacting Apter Power, include the full label, rack and slot, cabinet photos, controller diagnostic text and the exact required operating function.