

140XBE10000

Modicon Quantum backplane expander for 12- to 16-slot backplanes

VERIFIED OVERVIEW

The 140XBE10000 provides the dedicated rack-extension interface used when a Modicon Quantum installation requires a secondary backplane. The information below is restricted to the exact model and the available manufacturer evidence.

Core identity

Product type	Backplane expander
Platform	Modicon Quantum
Destination	Quantum backplanes with 12 to 16 slots
Product compatibility	140XBP01600
System set	Two expander modules with one 1 m, 2 m or 3 m extension cable
Rack roles	Primary rack and secondary rack

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

- Backplane-expander accessory
- For 12- to 16-slot Quantum backplanes
- Compatible with 140XBP01600
- Supports documented local or remote-I/O rack layouts

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

Product type	Backplane expander
Platform	Modicon Quantum
Destination	Quantum backplanes with 12 to 16 slots
Product compatibility	140XBP01600
System set	Two expander modules with one 1 m, 2 m or 3 m extension cable
Rack roles	Primary rack and secondary rack

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

- Confirm the complete 140XBE10000 marking.
- Verify the primary and secondary rack designations.
- Match the backplane and cable to the approved drawing.
- Inspect both cable connectors and latches.

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

RACK EXTENSION

Extends a documented Modicon Quantum backplane arrangement.

SECONDARY RACK LINK

Connects the primary and secondary rack through an approved Quantum cable.

LOCAL I/O LAYOUTS

Supports expansion within a controlled local Quantum configuration.

REMOTE-I/O LAYOUTS

May be used in documented Quantum remote-I/O rack arrangements.

Integration controls

- Install one expander in the primary rack and the second in the secondary rack.
- Use the approved 1 m, 2 m or 3 m Quantum extension cable.
- The modules may occupy any available slots in the two racks.
- Record rack identity, slot position and cable part number before disassembly.

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

- Remove rack power before changing the expansion link.
- Keep the secondary rack isolated if its power is removed.
- Restore each module to its recorded slot.
- Validate both racks and all mapped I/O after work.

Exact-model FAQ

Questions answered only from the documented product identity

What is 140XBE10000?

A Modicon Quantum backplane-expander accessory.

Which backplane sizes are listed?

Quantum backplanes with 12 to 16 slots.

Which exact backplane is named as compatible?

140XBP01600.

How many expander modules form the documented link?

Two, one in the primary rack and one in the secondary rack.

Which cable lengths are documented?

1 m, 2 m and 3 m extension cables.

Can the modules use any rack slot?

The official catalog states that they can be installed in any slot in the two racks.

What must be recorded before replacement?

The complete part marking, rack role, slot position and cable identity.

What is the final acceptance check?

Confirm both racks communicate and every mapped I/O point returns to its approved state.

Verified references

ApterPower navigation, evidence boundary and direct contact

Verified related ApterPower product pages

Schneider Electric 140NOE77110

Schneider Electric 140DDO36400

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.