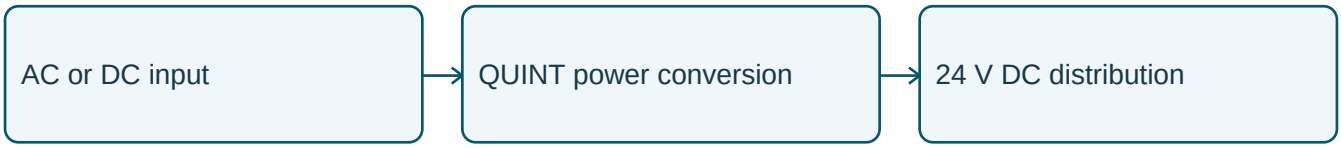
QUINT-PS/1AC/24DC/10 2866763

01 / System identity and preparation

Phoenix Contact QUINT-PS/1AC/24DC/10 2866763 converts the single-phase input into regulated DC power for the configured industrial loads and monitoring circuits.



Preparation priorities

Power-distribution role	Converts the single-phase input into regulated DC power for the configured industrial loads and monitoring circuits.
Input and protection	Match AC or DC input conditions, protective grounding and upstream protection. Keep input isolation separate from output DC OK indication.

Guide boundary

This Apter Power guide organizes preparation and acceptance checks. Apply the manufacturer instructions and approved site procedure for detailed wiring, mounting, configuration and functional testing.

Application boundary

Nominal, static POWER BOOST and short-duration SFB ratings are different operating conditions. Apply the specified voltage, temperature, input and protective-device requirements to the complete installation.

Product and installation enquiries

sales13@apterpower.com | +86 18030235313

Apply manufacturer instructions and approved site procedures.

QUINT-PS/1AC/24DC/10 2866763

02 / Configuration review before service

Power-distribution role	Converts the single-phase input into regulated DC power for the configured industrial loads and monitoring circuits.
Input and protection	Match AC or DC input conditions, protective grounding and upstream protection. Keep input isolation separate from output DC OK indication.
Load and reserve review	Check continuous demand, startup load, output setting and temperature. Distinguish 10 A nominal, 15 A static reserve and the 60 A short pulse.
Functional acceptance	Measure output voltage, verify polarity and load response, and confirm DC OK and branch-protection behavior using the approved procedure.

Confirm the order number

Match QUINT-PS/1AC/24DC/10 and 2866763 together; do not infer equivalence from another QUINT supply with the same output current.

Isolate the input circuit

Apply the approved isolation and absence-of-voltage procedure. The unit has hazardous input voltage even though its output is low-voltage DC.

Mismatch decision

Resolve a different catalog marking, interface, software requirement or installed configuration before proceeding. Physical similarity alone does not establish an approved replacement.

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03 / Hardware and interface checks

Set the output correctly

Adjust within 18 to 29.5 V DC for the connected loads. Account for constant-capacity restrictions above 24 V.

Separate reserve ratings

Do not describe the 60 A, 12 ms SFB pulse as continuous output. The 15 A static reserve also has specific voltage and temperature conditions.

Key hardware references

Order number	2866763
AC input range	85 to 264 V AC
AC input frequency	45 to 65 Hz
DC input range	110 to 350 V DC; UL 508 limit 300 V DC

Preserve the connection record

Photograph and label the affected connections before disconnection. Retain the original routing, module positions and identification with the work order, and compare the restored installation against that record.

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Apply manufacturer instructions and approved site procedures.

04 / Commissioning and diagnostic decisions

Maintain thermal clearance

Preserve the manufacturer mounting clearances and derate the load above 60 °C. Confirm cabinet temperature at the actual installation position.

Verify protection and signals

Coordinate input protection, branch breakers and DC OK/load signals with the installation. Confirm polarity and load behavior before operational release.

Acceptance checkpoints

Before energization	Match AC or DC input conditions, protective grounding and upstream protection. Keep input isolation separate from output DC OK indication.
Configuration review	Check continuous demand, startup load, output setting and temperature. Distinguish 10 A nominal, 15 A static reserve and the 60 A short pulse.
Functional release	Measure output voltage, verify polarity and load response, and confirm DC OK and branch-protection behavior using the approved procedure.

Abnormal result

If diagnostics, communication or functional response differ from the approved baseline, stop the release and resolve the configuration or installation issue. Do not bypass an interlock or protective function to obtain a passing test.

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QUINT-PS/1AC/24DC/10 2866763

05 / Service record and technical references

Lifecycle and support

The current manufacturing and service-support phase for order 2866763 has not been confirmed. Phoenix Contact recommends QUINT4-PS/1AC/24DC/10, order 2904601, for new projects; this is not a declaration of direct replacement compatibility.

Technical basis

Phoenix Contact QUINT-PS/1AC/24DC/10, order 2866763, product technical data (29 October 2026).

Applicability

Nominal, static POWER BOOST and short-duration SFB ratings are different operating conditions. Apply the specified voltage, temperature, input and protective-device requirements to the complete installation.

Related portfolio references

Phoenix Contact QUINT-PS-100-240AC/24DC/10 2938604

Phoenix Contact REL-IR-BL/L-24DC/4×21 1032527

Phoenix Contact QUINT4-PS/1AC/12DC/15

Navigation only. These listings are not confirmed replacements, compatible accessories or included items.

Handover record

Retain the complete fitted marking, hardware/software revision where applicable, connection record and accepted test results. Confirm separate accessories and documents in the quotation.

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