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

01 / Product identity and control context

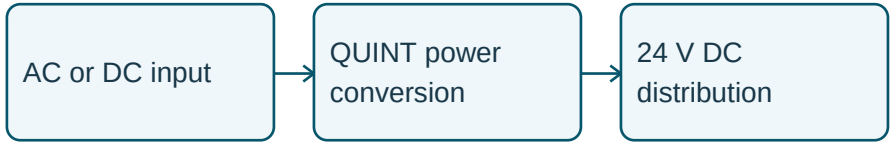
DIN Rail Power Supply

Phoenix Contact QUINT-PS/1AC/24DC/10 2866763 is a single-phase DIN-rail power supply with a 24 V DC, 10 A output, POWER BOOST reserve and SFB selective fuse-breaking capability.

Key characteristics

Power supply family	QUINT POWER
Nominal output	24 V DC / 10 A
Static reserve	15 A POWER BOOST under specified conditions
Dynamic reserve	60 A SFB pulse for 12 ms

Functional relationship



Power-distribution role

Converts the single-phase input into regulated DC power for the configured industrial loads and monitoring circuits.

Configuration 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 / Technical characteristics

Hardware and functional data

Manufacturer	Phoenix Contact
Product series	QUINT POWER
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
Nominal output	24 V DC, ±1%; 10 A
Nominal output power	240 W

Interfaces and operating conditions

Output adjustment	18 to 29.5 V DC; power limitation above 24 V
POWER BOOST	15 A permanent at 24 V, -25 to 40 °C
SFB current	60 A for 12 ms
Residual ripple	Less than 50 mV peak-to-peak
Operating temperature	-25 to 70 °C; derating above 60 °C
Derating at 60 to 70 °C	2.5% per K
Degree of protection	IP20
Mounting	Horizontal NS 35 DIN rail

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03 / Application and integration contexts

Industrial control cabinets

Provide regulated 24 V DC power for compatible control loads. Size the supply for steady demand, startup behavior and the enclosure temperature.

Heavy-load startup

Use the POWER BOOST reserve for applicable load-starting requirements. Preserve the 24 V output and temperature conditions of the 15 A rating.

Input and protection

Match AC or DC input conditions, protective grounding and upstream protection. Keep input isolation separate from output DC OK indication.

Selective branch protection

Coordinate SFB pulse capability with suitable branch circuit breakers and wiring. Verify the complete fault-current path and protective-device response.

Monitored DC distribution

Connect the DC OK and load-status signals to the intended monitoring system. Match relay or active-output loading and configured alarm response.

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.

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04 / Installation and release decisions

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.

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.

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.

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05 / Lifecycle, evidence and related portfolio

Lifecycle status

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.

Supply boundary

Apter Power availability and dispatch are confirmed separately from the manufacturer lifecycle phase.

Technical basis

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

Related product 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; no substitute or accessory compatibility is implied.

Offered-unit verification

Compare the complete label, connectors, mounting arrangement and applicable hardware/software revision. Confirm included components and accompanying documents in the quotation.

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