

## INDUSTRIAL COMPONENT DATA

## QUINT-PS/24DC/48DC/ 5 2320128 PHOENIX CONTACT DC/DC converters

Brand: PHOENIX CONTACT | Manufacturer Part Number: QUINT-PS/24DC/48DC/ 5



|                 |                       |
|-----------------|-----------------------|
| Manufacturer    | PHOENIX CONTACT       |
| MPN / Reference | QUINT-PS/24DC/48DC/ 5 |
| Catalog number  | 2320128               |
| Category        | DC-power supply       |
| Minimum order   | 1 Pcs                 |
| Document ID     | EO-F69E97F33C         |
| Generated       | 2026-07-31            |

## Product Overview

DC/DC converters

Primary switched QUINT DC/DC transformer for rail mounting with SFB (Selective Fuse Breaking) technology, input: 24 V DC, output: 48 V DC/5 A

## STRUCTURED PRODUCT DATA

## Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

## Classification &amp; Catalog Path

Catalog path PHOENIX CONTACT &gt; Power Supplies (PS)

## Additional Product Information

Technical dataInput dataDC operation

Nominal input voltage range 24 V DC

Input voltage range 18 V DC ... 32 V DC

Extended input voltage range in operation 14 V DC ... 18 V DC (Derating)

Wide-range input no

Input voltage range DC 18 V DC ... 32 V DC

14 V DC ... 18 V DC (Consider derating during operation)

Voltage type of supply voltage DC

Inrush current &lt; 15 A (typical)

Inrush current integral (I<sub>2t</sub>) 3 A<sub>2s</sub>

Mains buffering time &gt; 12 ms (24 V DC)

Current consumption 14 A (24 V, IBOOST)

Reverse polarity protection &lt;= yes30 V DC

Protective circuit Transient surge protection; Varistor  
Input fuse 25 A (internal (device protection))  
Output data Efficiency > 92.5 %  
Output characteristic U/I  
Nominal output voltage 48 V DC  $\pm 1$  %  
Setting range of the output voltage (USet) 30 V DC ... 56 V DC (> 48 V DC, constant capacity restricted)  
Nominal output current (IN) 5 A (-25 °C ... 60 °C)  
POWER BOOST (IBoost) 6.25 A (-25 °C ... 40 °C permanent, UOUT= 48 V DC )  
Selective Fuse Breaking (ISFB) 30 A (12 ms)  
Magnetic circuit breaker tripping B2 / B4 / C2  
Derating 60 °C ... 70 °C (2.5 %/K)  
Feedback voltage resistance 60 V DC  
Protection against overvoltage at the output (OVP) < 60 V DC  
Max. capacitive load unlimited  
Active current limitation Approximately 7 A  
Control deviation < 1 % (change in load, static 10 % ... 90 %)  
< 2 % (change in load, dynamic 10 % ... 90 %)  
< 0.1 % (change in input voltage  $\pm 10$  %)  
Residual ripple < 20 mVPP  
Short-circuit-proof yes  
Output power 240 W  
Peak switching voltages nomina...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / QUINT-PS/24DC/48DC/ 5 with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://electricaonline.com/request-quote).

### GLOBAL OFFICES

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