

INDUSTRIAL COMPONENT DATA

QUINT-PS/48DC/24DC/ 5 2320144 PHOENIX CONTACT DC/DC converters

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



Manufacturer	PHOENIX CONTACT
MPN / Reference	QUINT-PS/48DC/24DC/ 5
Catalog number	2320144
Category	DC-power supply
Minimum order	1 Pcs
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Product Overview

DC/DC converters

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

STRUCTURED PRODUCT DATA

Technical Specifications

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

Classification & Catalog Path

Catalog path PHOENIX CONTACT > Power Supplies (PS)

Additional Product Information

Technical dataInput dataDC operation

Nominal input voltage range 48 V DC

Input voltage range 30 V DC ... 60 V DC

Wide-range input no

Input voltage range DC 30 V DC ... 60 V DC

Voltage type of supply voltage DC

Inrush current < 5 A (typical)

Inrush current integral (I_{2t}) < 0.2 A²s

Mains buffering time > 14 ms (48 V DC)

Current consumption 3.5 A (48 V DC)

Protective circuit Transient surge protection; Varistor

Input fuse 10 A (slow-blow, internal)

Permissible backup fuse B10 B16

Recommended breaker for input protection 10 A ... 16 A (Characteristics B, C, D, K)
Output data Efficiency > 91.5 %
Output characteristic U/I
Nominal output voltage 24 V DC ± 1 %
Setting range of the output voltage (USet) 18 V DC ... 29.5 V DC (> 24 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= 24 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 35 V DC
Protection against overvoltage at the output (OVP) < 35 V DC
Max. capacitive load unlimited
Active current limitation Approximately 6.9 A
Control deviation < 1 % (change in load, static 10 % ... 90 %)
< 2 % (change in load, dynamic 10 % ... 90 %)
< 0.1 % (change in input voltage ± 10 %)
Residual ripple < 25 mVPP
Output power 120 W
Peak switching voltages nominal load < 5 mVPP(20 MHz)
Maximum no-load power dissipation 2.7 W
Power loss nominal lo...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / QUINT-PS/48DC/24DC/ 5 with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

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