INDUSTRIAL COMPONENT DATA

QUINT-PS/12DC/24DC/ 5 2320131 PHOENIX CONTACT DC/DC converters

Brand: PHOENIX CONTACT | Manufacturer Part Number: QUINT-PS/12DC/24DC/ 5



Manufacturer	PHOENIX CONTACT
MPN / Reference	QUINT-PS/12DC/24DC/ 5
Catalog number	2320131
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: 12 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 12 V DC
Input voltage range 9 V DC ... 18 V DC
Wide-range input no
Input voltage range DC 9 V DC ... 18 V DC
Voltage type of supply voltage DC
Inrush current < 15 A (typical)
Inrush current integral (I2t) < 0.3 A2s
Mains buffering time typ. 3 ms (12 V DC)
Current consumption 15 A (12 V, IBOOST)
Reverse polarity protection <= 30 V DC
Protective circuit Transient surge protection; Varistor
Input fuse 25 A (internal (device protection))

Output dataEfficiency > 90 %
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 < 75 mVPP
Output power 120 W
Peak switching voltages nominal load < 10 mVPP(20 MHz)
Maximum no-load power dissipation 2 W
Power loss nominal load max. 13.5 W
Rise time < 2 ms (UOUT(10 % ... 90 %))
Connection in...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / QUINT-PS/12DC/24DC/ 5 with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

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