منبع تغذیه فونیکس

مدل QUINT-PS/24DC/24DC/10

۰۲۱ ۶۶۷۵۶۲۳۱

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منبع تغذیه فونیکس

مدل QUINT-PS/24DC/24DC/10

Commercial data

Item number	2320092
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	CMDQ43
Catalog page	Page 248 (C-4-2017)
GTIN	4046356481885
Weight per piece (including packing)	1,171.1 g
Weight per piece (excluding packing)	900 g
Customs tariff number	85044095
Country of origin	IN

Technical data

Input data

DC 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	< 15 A (typical)
Inrush current integral (I^2t)	< 2.7 A^2s
Mains buffering time	> 12 ms (24 V DC)
Current consumption	14 A (24 V, I_{BOOST})
Reverse polarity protection	≤ 30 V DC
Protective circuit	Transient surge protection; Varistor
Input fuse	25 A (internal (device protection))
Recommended breaker for input protection	16 A ... 20 A (Characteristics B, C, D, K)

Output data

Efficiency	> 92 %
Output characteristic	U/I
Nominal output voltage	24 V DC ±1 %
Setting range of the output voltage (U_{Set})	18 V DC ... 29.5 V DC (> 24 V DC, constant capacity restricted)
Nominal output current (I_N)	10 A (-25 °C ... 60 °C)
POWER BOOST (I_{Boost})	12.5 A (-25 °C ... 40 °C permanent, U_{OUT} = 24 V DC)
Selective Fuse Breaking (I_{SFB})	60 A (12 ms)
Magnetic circuit breaker tripping	B2 / B4 / B6 / C2 / C4
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	Approx. 18 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	< 20 mV_{PP}
Output power	240 W
Peak switching voltages nominal load	< 10 mV_{PP} (20 MHz)
Maximum no-load power dissipation	1.6 W
Power loss nominal load max.	24 W
Rise time	< 2 ms (U_{OUT} (10 % ... 90 %))