

SNP-C04 Series

40 W AC/DC Switch Mode Power Supplies

CoolPower
Solutions

- ITE sovelluksiin
- Korkeus vain 1.142"
- LED merkkivalo
- Lähtöjännitteen säätö-trimmerillä
- Hyötysuhde 77%...85%
- Käyttölämpötila-alue -20°C...70°C
- With ITE safety
- Only 1.142 inch height
- With power on LED
- With output adjustable trimmer
- Efficiency between 77% to 85%
- Operation from -20°C to 70°C by convection



Tekniset tiedot

Tulojännite:
Tulotaajuus:
Syöksyvirta:

Lähtöjännite:
• Säätöalue:
Maks. teho:
Maks. virta:
Kuormaregulointi:
Linjaregulointi:

Lämpötila-alue:

Rippeli:
Hyötysuhde:

Pitoaika:

Ylikuormitussuojaus:
Oikosulkusuojaus:
Ylijännitesuojaus:
Jäähdytys:
Varastointilämpötila:
Sähköiset turvanormit:

EMC standardit:
• Emissio:
• Immunitaetti:
Mitat (PxLxK):
Paino:

Technical specifications

Input voltage: 85-264 VAC
Input Frequency: 47-63 Hz
Inrush Current: < 60 A at 230 VAC
Cold start, 25°C
Output voltage: See table
• Internally adjustable: See table
Max. output power: 40 W, Peak 60 W 8 s.
Max. load current: See table
Load regulation: $\pm 1,0\%$ See table
Line regulation: $\pm 1,0\%$ See table

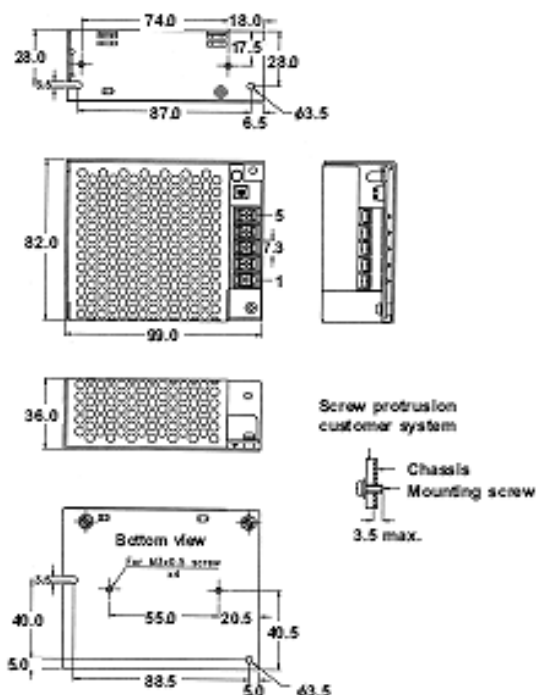
Temperature range: -20°C ... +70°C
Derating: 2,5%/°C>50
Ripple: See table
Efficiency: 77% ...85% see table
(rated load and 115VAC)
16ms typical
(rated load and 115VAC)
Overload protection: Auto recovery
Short Circuit Protection: Auto recovery
Over Voltage protection: Latch off
Cooling: Free air convection
Storage temperature: -40°C ... +75°C
Electrical safety standard: EN 60950-1, UL 60950-1, CSA C22.2 No. 60950-1

EMC standards
• Emission: EN61000-4-2,-3,-4,-5,-6,-8,-11
• Immunity: FCC"B", EN 55022"B", EN55011"B"
Dimensions (LxWxH): 99 x 82 x 36 mm
Weight: 312 g

Jotkin tekniset arvot saattavat vaihdella muiden mallien ja jänniteversioiden osalta.

Some technical specifications may differ for other models and voltage versions.

Mekaaniset tiedot – Mechanical Specifications



1. Dimensions shown in mm as left. Tolerance: ± 0.4 mm.
2. Size 82 x 99 x 36 mm.
3. Connectors: AC input & DC output: Terminal Blocks, 8.25 mm interval
4. Output Pin assignment:

Pin no:	1	2	3	4	5	6
SNP-C04B	AC/L	AC/N	Earth	GND	+3.3V	
SNP-C046	AC/L	AC/N	Earth	GND	+5.0V	
SNP-C047	AC/L	AC/N	Earth	GND	+ 12V	
SNP-C048	AC/L	AC/N	Earth	GND	+ 15V	
SNP-C049	AC/L	AC/N	Earth	GND	+ 24V	
SNP-C04T	AC/L	AC/N	Earth	GND	+ 48V	
SNP-C043	AC/L	AC/N	Earth	+ 12 V	GND	+5.0V
SNP-C04A	AC/L	AC/N	Earth	+ 24 V	GND	+5.0V

Jänniteversiot – Voltage versions

Malli Model	Lähtöjännite (VDC) Output voltage (VDC)		Kuormitus (A) Load (A)				Rippeli Ripple	Load reg. Regulointi	Hyötysuhde Efficiency Typillinen Typical
	Nimellinen Nominal	Säätöalue Adjustable	Min	Rated	Max	Peak			
SNP-C04B	3,3 V	3.25 V...3.355 V	0 A	9.0 A		11.0 A	50mVpp	$\pm 1 \%$	77 %
SNP-C046	5,0 V	4.95 V...5.050 V	0 A	7.0 A		10.5 A	50mVpp	$\pm 1 \%$	78 %
SNP-C047	12 V	11.40 V...12.60 V	0 A	3.0 A		4.5 A	120mVpp	$\pm 1 \%$	82 %
SNP-C048	15 V	14.25 V...15.75 V	0 A	2.4 A		3.6 A	150mVpp	$\pm 1 \%$	85 %
SNP-C049	24 V	22.80 V...25.20 V	0 A	1.7 A		2.5 A	240mVpp	$\pm 1 \%$	85 %
SNP-C04T	48 V	45.60 V...50.40 V	0 A	0.8 A		1.2 A	240mVpp	$\pm 1 \%$	86 %
SNP-C043	5,0 V	4.95 V...5.05 V	0 A	4.0 A	6.0 A	8.0 A	50mVpp	$\pm 2 \%$	81 %
	12 V	11.40 V...12.60 V	0 A	1.5 A	2.0 A	3.0 A	120mVpp	$\pm 3 \%$	
SNP-C04A	5,0 V	4.95 V...5.05 V	0 A	3.0 A	5.0 A	7.0 A	50mVpp	$\pm 2 \%$	83 %
	24 V	22.80 V...25.20 V	0 A	1.0 A	1.5 A	2.0 A	480mVpp	$\pm 3 \%$	

* Saatavilla myös DIN-kiskokiinnikkein
* Available with bracket for DIN-rail montage.

Huomioitavaa – Notes

1. The max load can be continuously provided at 50°C and convection cooling conditions. The peak load can be temporarily provided up to 8 seconds.
2. At factory, all outputs in 60% rated load condition, each output is checked to be within the accuracy range while the main output is setting to within the specified accuracy range at rated load.
3. Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
4. Load regulation is defined by changing $\pm 40\%$ of measured output load from 60% rated load at another output set to 60% rated load.
5. Ripple & noise is measured by using 15MHz bandwidth limited oscilloscope and terminated each output with a 0.47uF + 10uF capacitor at rated load and nominal line.
6. Hold up time is measured from the end of the last charging pulse to the time which the main output drop down to regulation limit at rated load and nominal line.