

12 W
AC/DC
ADAPTER

12 Watt Home Power

HNP12H Haushalt-Steckernetzteil-Serie



HNP-POWER

Besondere Merkmale Features

Steckerschaltnetzteil	Plug in switching adaptor
Doppelte Isolation	Double insulated
Kompakter Aufbau	Small low profile package
Überlast- und kurzschlußfest	Overload, short circuit protection
Minimalster Leerlaufverlust	Lowest standby power consumption
Zulassung für Haushaltsgeräte	Household safety approved

Anwendung Application

Smart Home	Smart Home
Haushaltsgeräte	Household applications
Peripheriegeräte	Peripherals
Netzwerktechnik	Networking
Mobile Ausrüstungen	Portable equipment
Tablets / Smartphones	Tablets / Smartphones
Telekommunikation	Telecom

Technische Daten Specification

(bei 25°C Umgebungstemperatur) at 25 °C ambient temperature

Eingangsdaten Input Specifications

Eingangsspannung	Input voltages	100-240 VAC
Eingangsfrequenz	Input frequency	50/60 Hz
Eingangsstrom	Input current	450mA(rms) @90VAC
Netzausfallüberbrückung	Hold-up time, nom.conditions	10ms @230VAC
Einschaltstromstoß	Inrush current	<60A/230VAC
Leerlaufverlust	No load power consumption	< 0.1 Watt

Ausgangsdaten Output Specifications

Leistung	Power	12 Watt
Wirkungsgrad	Efficiency	>82.96%
Einschaltverzögerung	Turn-on delay	max. 3s
Restwelligkeit	Ripple and noise	max. 200mV pp

Allgemeine Daten General Specifications

Betriebstemperatur	Operating temperature	-10°C...+40°C
Lagertemperatur	Storage temperature	-20°C...+70°C
Luftfeuchte	Humidity	10...90% RH
Isolation	Dielectric Withstand (Hipot)	3000VAC 1min 5mA inp.<->outp.
Leckstrom	Leakage current	0.25mA max.@240 VAC
Überstromschutz	Overcurrent protection	continuous, auto restart
Zulassungsbestimmungen	Safety requirements	EN62368-1:2020/A11:2020 EN61558-2-16:2009/A1:2013 used in conjunction with EN IEC 61558-1:2019

EMV	EMC	EN55032:2015/A1:2020/A11:2020;EN55035:2017/A11:2021 EN61000-3-2:2019/A1:2021;EN61000-3-3:2013/A1:2019/A2:2021 EN55014-1:2017/A11:2020; EN55014-2:2015
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RoHS	RoHS	2015/863/EU : EN 63000:2018
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Bestell-Information / Order Information

Modell	Ausgang Output	Last/Load	
		Min.	Max.
HNP12H-050	5 V	0.0 A	2.4 A
HNP12H-120	12 V	0.0 A	1.0 A
HNP12H-240	24 V	0.0 A	0.5 A

MEMO:

Vermerk

Andere Versionen (Spannungen / Stecker / Farben) mit Mindestbestellmengen auf Anfrage

Note

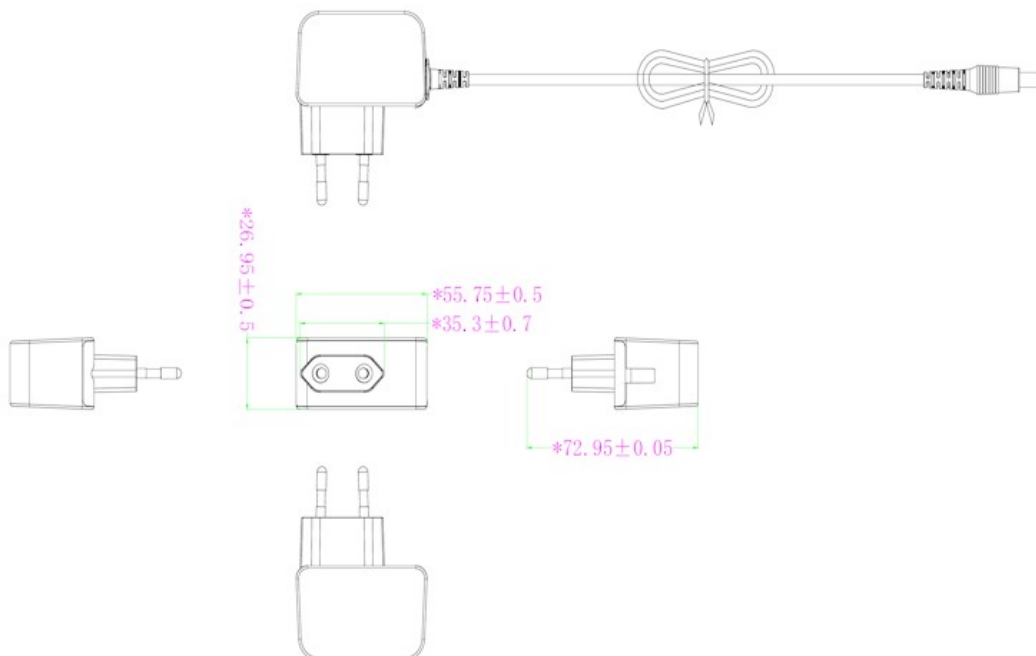
Other versions (Voltages / Connectors / Colors) with minimum order quantities on request

Mechanik

Mechanical

L×B×H	L×W×H	56 × 27 × 73 mm
Gewicht	Weight	75 g
DC-Stecker	DC-connector	2.1 x 5.5 x 10 mm , inside positive, outside negative
DC-Kabel	DC-cable	L=1500mm , UL2725 24AWG
Gehäusefarbe	Case Colour	Weiß / White

PIN-Belegung und Zeichnung / Pin Assignments & Drawing



Class 2 Switching Adapter

MODEL:HNP12H-120
 INPUT:100-240V~ 50/60Hz 0.45A
 OUTPUT:12.0V 1.0A 12.0W
 IP20 ta:40°C SELV



Energieeffizienz / Efficiency (EU) 2019/1782

Model	Input Voltage/Frequency	Output Voltage(V)	Output Current(A)	Power for label	Average efficiency	Efficiency at 10% load	No load power consumption (Watt)
HNP12H-050	230Vac / 50Hz	5,0	2,40	12,0W	80,45%	77,71%	0,08W
HNP12H-120	230Vac / 50Hz	12,0	1,00	12,0W	80,71%	79,59%	0,07W
HNP12H-240	230Vac / 50Hz	24,0	0,50	12,0W	84,29%	74,21%	0,10W
HNP12H-C	230Vac / 50Hz	5,0	2,40	12,0W	80,34%	78,71%	0,08W
HNP30H-090	230Vac / 50Hz	9,0	3,00	27,0W	86,89%	84,15%	0,10W
HNP30H-120	230Vac / 50Hz	12,0	2,50	30,0W	88,86%	86,71%	0,08W
HNP30H-240	230Vac / 50Hz	24,0	1,25	30,0W	87,34%	81,79%	0,08W

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