

**72 W  
AC/DC  
ADAPTER**

# 72 Watt Value Power

**HNP72EU Steckernetzteil-Serie**



**HNP-POWER**

## Besondere Merkmale Features

|                                      |                                     |
|--------------------------------------|-------------------------------------|
| Tischschaltnetzteil                  | Desktop switching adaptor           |
| Doppelte Isolation                   | Double insulated                    |
| Kompakter Aufbau                     | Small low profile package           |
| Überlast- und kurzschlußfest         | Overload, short circuit protection  |
| Niedriger Leerlaufverlust            | Low standby power consumption       |
| EU CoC V5 tier 2 / EnergyStar DOE VI | EU CoC V5 tier 2/ EnergyStar DOE VI |

## Anwendung Application

|                         |                         |
|-------------------------|-------------------------|
| Drahtlose Kommunikation | Wireless communications |
| Peripheriegeräte        | Peripherals             |
| Netzwerktechnik         | Networking              |
| Mobile Ausrüstungen     | Portable equipment      |
| 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                | 1.6A(rms) @ 90VAC |
| Netzausfallüberbrückung | Hold-up time, nom.conditions | 20ms@230VAC       |
| Einschaltstromstoß      | Inrush current               | <50A/230VAC       |
| Leerlaufverlust         | No load power consumption    | max. 0.21 Watt    |

## Ausgangsdaten Output Specifications

|                     |                   |                  |
|---------------------|-------------------|------------------|
| Leistung            | Power             | max. 72 Watt     |
| Wirkungsgrad        | Efficiency        | see table page 3 |
| Anschaltverzögerung | Recovery time ±2% | max. 1 ms        |
| Restwelligkeit      | Ripple and noise  | typ. 200mV pp    |

## Allgemeine Daten General Specifications

|                        |                              |                                |
|------------------------|------------------------------|--------------------------------|
| Betriebstemperatur     | Operating temperature        | 0°C...+40°C                    |
| Lagertemperatur        | Storage temperature          | -40°C...+85°C                  |
| Luftfeuchte            | Humidity                     | 20...80%RH                     |
| Isolation              | Dielectric Withstand (Hipot) | 3000VAC 1min inp.<->outp.      |
| Leckstrom              | Leakage current              | 3.5mA max.@240 VAC             |
| Überstromschutz        | Overcurrent protection       | continuous, auto restart       |
| Überspannungsschutz    | Overvoltage protection       | typ. 120 %                     |
| Zulassungsbestimmungen | Safety requirements          | CE LVD EN62368-1:2014+A11:2017 |

|     |     |                                                                                          |
|-----|-----|------------------------------------------------------------------------------------------|
| EMV | EMC | EN55032:2015/A11:2020;EN55035:2017/A11:2020<br>EN61000-3-2:2019;EN61000-3-3:2013+A1:2019 |
|-----|-----|------------------------------------------------------------------------------------------|

|      |      |                |
|------|------|----------------|
| RoHS | RoHS | EN63000 : 2018 |
|------|------|----------------|

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### Bestell-Information / Order Information

| Modell      | Ausgang<br>Output | Min.  | Last/Load<br>Max. |
|-------------|-------------------|-------|-------------------|
| HNP72EU-120 | 12 V              | 0.0 A | 6.0 A             |
| HNP72EU-240 | 24 V              | 0.0 A | 3.0 A             |

Andere Spannungen ( 9...58 Volt ) / DC-Stecker mit Mindestbestellmengen auf Anfrage -  
Other voltages ( 9...58 Volt ) / DC-connectors with MOQ on request

#### Vermerk

1-Restwelligkeit gemessen mit einer 25 cm verdrehten Leitung, welche mit einer 10 µF-Kapazität abgeschlossen wird und zu einer 0,1 µF-Kapazität parallel geschaltet ist.

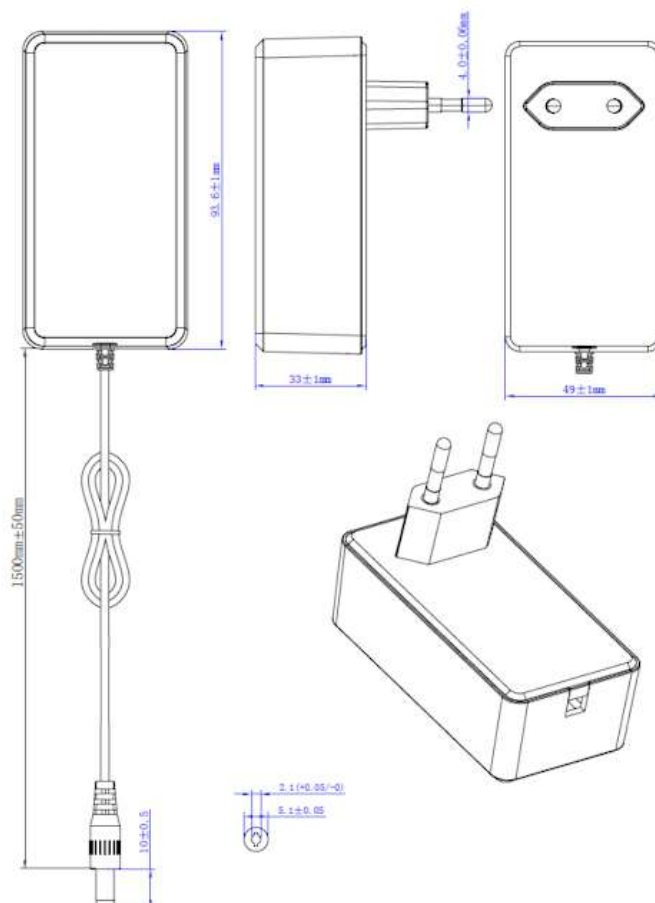
1-Ripple and Noise is measured by using a 12 inch twisted pair cable, terminated with a 10 µF capacitor and a 0.1 µF ceramic in parallel.

### Mechanik

### Mechanical

|            |              |                                                       |
|------------|--------------|-------------------------------------------------------|
| L×B×H      | L×W×H        | 93.6 × 49 × 33 mm                                     |
| Gewicht    | Weight       | 218 g                                                 |
| DC-Stecker | DC-connector | 2.1 x 5.5 x 10 mm , inside positive, outside negative |
| DC-Kabel   | DC-cable     | AWM1185 16AWG OD4.0mm 1500mm DC PLUG:5.1*2.1*10mm     |

### PIN-Belegung und Zeichnung / Pin Assignments & Drawing



## 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) |
|-------------|-------------------------|--------------------|--------------------|-----------------|--------------------|------------------------|----------------------------------|
| HNP72EU-120 | 230Vac / 50Hz           | 12,0               | 6,00               | 72,0W           | 88,00%             | 91,20%                 | 0,21W                            |
| HNP72EU-240 | 230Vac / 50Hz           | 24,0               | 3,00               | 72,0W           | 88,00%             | 91,20%                 | 0,21W                            |
| HNP72W-120  | 230Vac / 50Hz           | 12,0               | 6,00               | 72,0W           | 88,00%             | 91,20%                 | 0,21W                            |
| HNP72W-240  | 230Vac / 50Hz           | 24,0               | 3,00               | 72,0W           | 88,00%             | 88,88%                 | 0,21W                            |

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