

**65 W
AC/DC
USB Type-C™
ADAPTER**

65 Watt Value Power

HNP65EU-C USB Type-C™ PD 3.0 Adapter



HNP-POWER

Besondere Merkmale	Features
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Steckerschaltnetzteil	Plug in switching adaptor
Doppelte Isolation	Double insulated
Ultra-Kompakter Aufbau	Ultra small low profile package
Überlast- und kurzschlußfest	Overload, short circuit protection
Minimalster Leerlaufverlust	Lowest standby power consumption
EU CoC V5 tier 2 / EnergyStar DOE VI	EU CoC V5 tier 2/ EnergyStar DOE VI
Schnellladefunktion PD 3.0 & QC 3.0	Fast Charge with USB PD 3.0 & QC 3.0

Anwendung	Application
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Einplatinencomputer	Single board computers
Drahtlose Kommunikation	Wireless communications
Peripheriegeräte	Peripherals
Netzwerktechnik	Networking
Mobile Ausrüstungen	Portable equipment
Tablets	Tablets
Telekommunikation	Telecom
Aktuelle Smartphones	Latest Smartphones

Technische Daten	Specification
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(bei 25°C Umgebungstemperatur)	at 25 °C ambient temperature
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Eingangsdaten	Input Specifications0
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Eingangsspannung	Input voltages	100-240 VAC
Eingangsfrequenz	Input frequency	50/60 Hz
Eingangsstrom	Input current	0,7A all voltage range & output @full load
Netzausfallüberbrückung	Hold-up time, nom.conditions	20ms @230VAC
Einschaltstromstoß	Inrush current	53 A²S
Leerlaufverlust	No load power consumption	< 0.3 Watt

Ausgangsdaten	Output Specifications
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Leistung	Power	65 Watt
Wirkungsgrad	Efficiency	DOE VI / CoC V5 tier 2, see page 3
Ausregelzeit ±2%	Recovery time ±2%	max. 3 s
Restwelligkeit	Ripple and noise	max. 200mV pp

Allgemeine Daten	General Specifications
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Betriebstemperatur	Operating temperature	-10°C...+25°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	Hiccup, auto restart
Überspannungsschutz	Overvoltage protection	Hiccup Type-C
Zulassungsbestimmungen	Safety requirements	CE LVD EN62368-1:2014+A11:2017

EMV	EMC	EN55032:2015/A11:2020; EN55035:2017/A11:2020 EN61000-3-2:2019; EN61000-3-3:2013+A1:2019
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RoHS	RoHS	EN 63000 : 2018
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Bestell-Information / Order Information

Modell	Ausgang Output	Last/Load Min.	Max.
HNP65EU-C	5 V	0.0 A	3.0 A
oder / or	9 V	0.0 A	3.0 A - Type-C quick charging
oder / or	12 V	0.0 A	3.0 A - Type-C quick charging
oder / or	15 V	0.0 A	3.0 A - Type-C quick charging
oder / or	20 V	0.0 A	3.25 A - Type-C quick charging

Total output: 65W TYPE-C Output
PD3.0, QC2.0, AFC, FCP, Samsung-5V-2A, BC1.2/VCP01.5A, Apple 2.4A
PPS: 5.21V3.25A

Vermerk

Andere Versionen (Eingangstecker / Farben) mit Mindestbestellmengen auf Anfrage

Note

Other versions (AC-connectors / Colors) with minimum order quantities on request

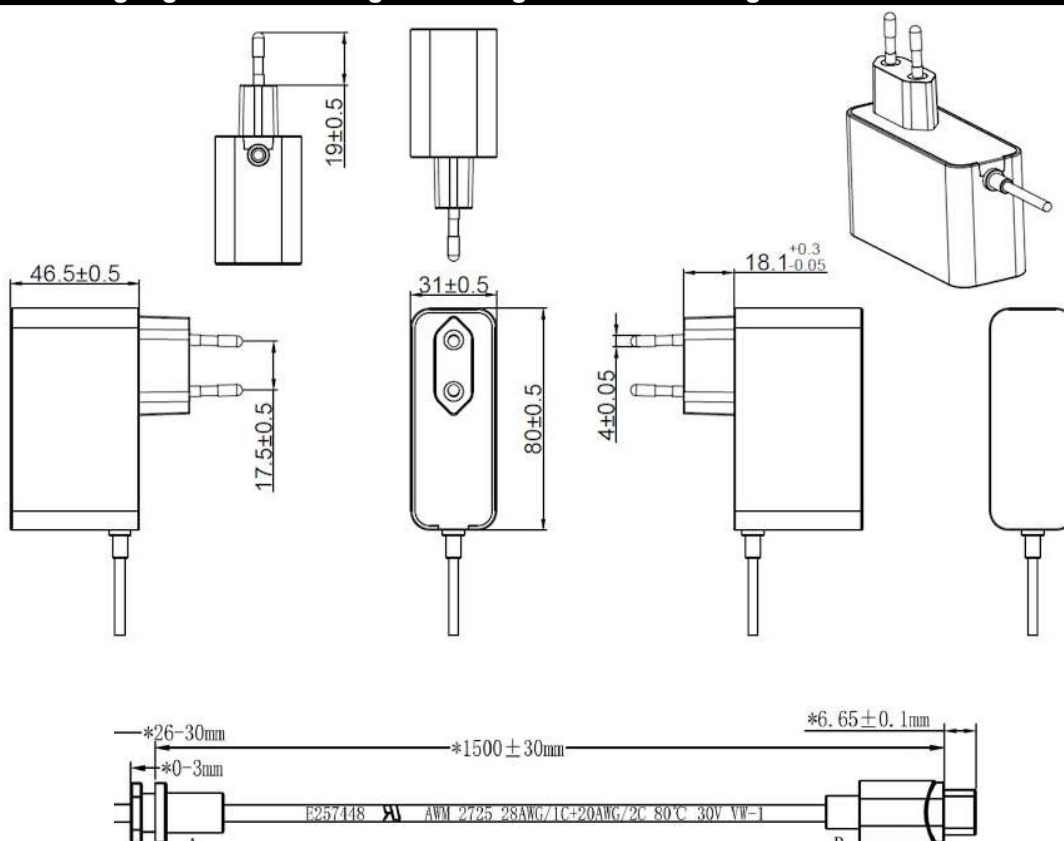
MEMO:

Mechanik

Mechanical

LxBxH	LxWxH	38.85 × 34.55 × 42.3 mm
Gewicht	Weight	160 g
Ausgang	Output	1x USB4 Type-C, cable length 1500mm

PIN-Belegung und Zeichnung / Pin Assignments & Drawing



Model	Input Voltage/Frequency	Output Voltage(V)	Output Current(A)	Power for label	Average efficiency	Efficiency at 10% load	No load power consumption (Watt)
HNP65EU-C	230Vac / 50Hz	5.0V	3.0A	15.0W	84,57%	84,94%	0.12W
	230Vac / 50Hz	9.0V	3.0A	27.0W	88,61%	87,08%	0.12W
	230Vac / 50Hz	12.0V	3.0A	36.0W	89,86%	86,60%	0.12W
	230Vac / 50Hz	15.0V	3.0A	45.0W	90,55%	86,28%	0.12W
	230Vac / 50Hz	20.0V	3.25A	65.0W	91,29%	86,56%	0.12W
HNP65EU-1C	230Vac / 50Hz	5.0V	3.0A	15.0W	83,93%	74,87%	0.08W
	230Vac / 50Hz	9.0V	3.0A	27.0W	87,73%	80,24%	0.08W
	230Vac / 50Hz	12.0V	3.0A	36.0W	89,28%	83,74%	0.08W
	230Vac / 50Hz	15.0V	3.0A	45.0W	90,04%	85,46%	0.08W
	230Vac / 50Hz	20.0V	3.25A	65.0W	91,06%	86,69%	0.08W
HNP100EU-2C1A	230Vac / 50Hz	C1:5.0V	C1:3A	37.5W	83,65%	70,26%	0.17W
		C2:5.0V	C2:2.25A				
		A:5.0V	A: 2.25A				
HNP100EU-2C1A	230Vac / 50Hz	C1:21.0V	C1:3.3A	91.8W	90,39%	80,80%	0.17W
		C2:5.0V	C2:2.25A				
		A:5.0V	A : 2.25A				
HNP140EU-3C1A	230Vac / 50Hz	C1:21.0V C2:21.0V C3: 5.0V A: 5.0V	C1:3.095A C2: 2.143A C3:1.5A A: 1.5A	95.0W	92,12%	82,06%	0.25W
HNP140EU-3C1A	230Vac / 50Hz	C1:5.0V C2:5.0V C3:5.0V A:5.0V	C1:3.0A C2:3.0A C3:1.5A A:1.5A	95.0W	86,54%	70,72%	0.25W
HNP20EU-1C	230Vac / 50Hz	5.0V	3.0A	15.0W	84,82%	83,06%	0.08W
	230Vac / 50Hz	9.0V	2.22A	19.98W	87,68%	82,84%	0.08W
	230Vac / 50Hz	12.0V	1.67A	20.04W	88,13%	81,24%	0.08W
HNP45EU-1C	230Vac / 50Hz	5.0V	3.0A	15.0W	85,25%	78,53%	0.08W
	230Vac / 50Hz	9.0V	3.0A	27.0W	89,28%	84,64%	0.09W
	230Vac / 50Hz	12.0V	3.0A	36.0W	90,27%	85,07%	0.11W
	230Vac / 50Hz	15.0V	3.0A	45.0W	91,04%	85,71%	0.14W
	230Vac / 50Hz	20.0V	2.25A	45.0W	90,94%	82,78%	0.19W
HNP67EU-2C1A	230Vac / 50Hz	C1:5.0V C2:5.0V A:5.0V	C1:1.75A C2:1.75A A:3.0A	32.5W	85,75%	77,25%	0.19W
	230Vac / 50Hz	C1:5.0V C2:5.0V A:20.0V	C1:1.75A C2:1.75A A:2.25A	62.5W	91,15%	82,43%	0.19W