

# 55W PUP AC/DC EXTERNAL 55 Watt Switching Power Universal Input PUP-Maxi-External-Serie



## Besondere Merkmale Features

Universaleingang	Universal input
Hoher Wirkungsgrad	High efficiency
100% Burn-in	100% burn in
Kompakter Aufbau	Small low profile package
Überlast- und kurzschlußfest ein, zwei oder drei Ausgänge	Overload, short circuit protection Single, dual or triple output

## Anwendung Application

Drucker	Printer
Externe Laufwerke	External HDD
Rechnersysteme	Computer applications
MSR	Control equipments
Mikroprozessorsysteme	Microprocessor systems
Tragbare EDV-Anlagen	Mobile computing

## Technische Daten Specification

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

## Eingangsdaten Input Specifications

Eingangsspannung	Input voltage	85-264 VAC
Eingangsfrequenz	Input frequency	47-440 Hz
Funkentstörung	Conduc. interference	FCC class B / VDE 0878 B
Netzausfallüberbrückung	Hold-up time, nom.conditions	10 ms min. @ 110 VAC
Einschaltstromstoß	Inrush current	<15A/115V, <30A/230V

## Ausgangsdaten Output Specifications

Leistung	Power	55 Watt
Wirkungsgrad	Efficiency	typ. 70%
Ausregelzeit ±1%	Recovery time ±1%	max. 1 ms
Restwelligkeit	Ripple and noise	<1% max.

## Allgemeine Daten General Specifications

Schaltfrequenz	Switching frequency	typ. 40 kHz
Betriebstemperatur	Operating temperature	0°C...+70°C
Lagertemperatur	Storage temperature	-40°C...+85°C
Leistungsrücknahme ab 50°C	Derating above 50°C	2.5% / K
Temperaturkoeffizient	Temperature coefficient	±0.04% / K max.
Überspannungsschutz	Overvoltage protection	112-132% of main outp. on output #1 only
MTBF	MTBF	>100,000@25°C
Zulassungsbestimmungen	Safety requirements	IEC 950, UL 1950, CSA 22.2-No.234 (EN 60950)

## Modifikationen Modifications

Optionale Ausgangsstecker	Optional output connectors	siehe Seite 84-86
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PROTEK

# 55 Watt Switching Power

## Universal Input PUP-Maxi-External-Serie

# 55W PUP AC/DC EXTERNAL

### Bestell-Information / Order Information

Modell	Ausgang 1 Output 1				Ausgang 2 Output 2				Ausgang 3 Output 3				Maximum Output Power Watt
	V <sub>nom</sub>	I <sub>min</sub>	I <sub>max</sub>	Tol	V <sub>nom</sub>	I <sub>min</sub>	I <sub>max</sub>	Tol	V <sub>nom</sub>	I <sub>min</sub>	I <sub>max</sub>	Tol	
PUP55-10	5-6V	0A	8.0A	5%	(N/A)				(N/A)				40
PUP55-10-1	6-8V	0A	7.5A	5%	(N/A)				(N/A)				45
PUP55-11	9-11V	0A	5.0A	5%	(N/A)				(N/A)				50
PUP55-12	11-13V	0A	4.6A	5%	(N/A)				(N/A)				55
PUP55-13	13-17V	0A	3.7A	3%	(N/A)				(N/A)				55
PUP55-13-1	17-21V	0A	3.1A	3%	(N/A)				(N/A)				55
PUP55-14	21-27V	0A	2.3A	3%	(N/A)				(N/A)				55
PUP55-16	27-33V	0A	1.9A	3%	(N/A)				(N/A)				55
PUP55-17	33-39V	0A	1.6A	3%	(N/A)				(N/A)				55
PUP55-18	48V	0A	1.2A	3%	(N/A)				(N/A)				55
PUP55-23	+5V	1A	5.0A	5%	+12V	0.5A	3.0A	5%	(N/A)				45
PUP55-24	+5V	1A	5.0A	5%	+15V	0.4A	2.5A	5%	(N/A)				45
PUP55-25	+5V	1A	5.0A	5%	+24V	0.3A	2.0A	5%	(N/A)				45
PUP55-31	+5V	1A	5.0A	5%	+12V	0.5A	3.0A	5%	-12V	0.1A	0.5A	10%	45
PUP55-32	+5V	1A	5.0A	5%	+15V	0.4A	2.5A	5%	-15V	0.1A	0.5A	10%	45

Andere Typen und Spannungen auf Anfrage • Other models and configurations on request.

#### Vermerk

- 1-Gehäuse in Schwarz ist Standard.
- 2-Anwendung nur für Innenräume.
- 3-Einbau des Netzteils muß gemäß Richtlinien EN 60950 erfolgen.

#### Remarks

- 1-Black color is standard.
- 2-For inhouse use only.
- 3-Installation must meet the requirements of EN 60950.

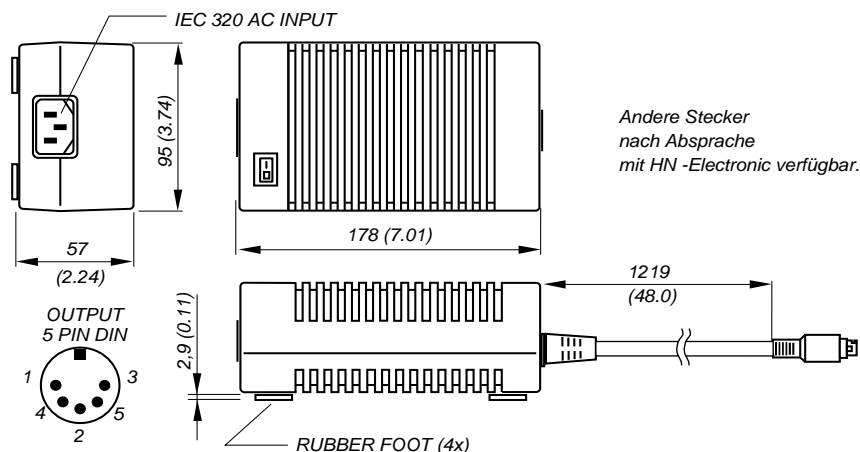
MEMO:

### Mechanik

### Mechanical

L×B×H	L×W×H	178 × 95 × 57 mm / 7.01 × 3.74 × 2.24 in
Gewicht	Weight	583 g

### PIN-Belegung und Zeichnung / Pin Assignments & Drawing, mm (inch)



Pin Connection							
MODEL			PIN 1	PIN 2	PIN 3	PIN 4	PIN 5
PUP55-10	PUP55-10-1	PUP55-11	RETURN	RETURN	OUTPUT 1	RETURN	OUTPUT 1
PUP55-12	PUP55-12	PUP55-13	RETURN	RETURN	OUTPUT 1	RETURN	OUTPUT 1
PUP55-13-1	PUP55-13-1	PUP55-14	RETURN	RETURN	OUTPUT 1	RETURN	OUTPUT 1
PUP55-16	PUP55-16	PUP55-17	RETURN	RETURN	OUTPUT 1	RETURN	OUTPUT 1
PUP55-18	PUP55-18	PUP55-23	COMMON-RETURN	COMMON-RETURN	OUTPUT 1	COMMON-RETURN	OUTPUT 2
PUP55-24	PUP55-24	PUP55-25	COMMON-RETURN	COMMON-RETURN	OUTPUT 1	COMMON-RETURN	OUTPUT 2
PUP55-31	PUP55-31	PUP55-32	COMMON-RETURN	COMMON-RETURN	OUTPUT 1	OUTPUT 3	OUTPUT 2