

**30 W
AC/DC
EXTERNAL**

30 Watt Switching Power

Ultra Compact PSAC30U-Serie



Besondere Merkmale Features

| | |
|-----------------------------------|--------------------------------------------------|
| Universaleingang | Universal input |
| Hoher Wirkungsgrad | High efficiency |
| Sehr kompakter Aufbau | Ultra compact design |
| Überlast- und Dauerkurzschlußfest | Overload and continuous short circuit protection |
| EuP Step 2 / EnergyStar V | EuP Step 2 / EnergyStar V |
| Geringer Standby Verbrauch | Low standby power consumption |

Anwendung Application

| | |
|-----------------------|------------------------|
| Notebooks | Notebook Computers |
| Netzwerktechnik | Networking |
| Mobile Computer | Mobile Computing |
| MSR | Control equipments |
| Mikroprozessorsysteme | Microprocessor systems |
| Portable Anwendungen | Portable equipment |

Technische Daten Specification

| | |
|------------------------------|-------------------------------|
| bei 25°C Umgebungstemperatur | at 25 °C ambient temper ature |
|------------------------------|-------------------------------|

Eingangsdaten Input Specifications

| | | |
|------------------------------|------------------------------|-------------------------------|
| Eingangsspannung | Input voltage | 90...264 V AC |
| Eingangsfrequenz | Input frequency | 47...63 Hz |
| Leerlaufaufnahme | No load power | < 0,3 Watt |
| Netzausfallüberbrückung | Hold-up time, nom.conditions | 10 ms min. @ 120VAC |
| Einschaltstromstoß kalt max. | Inrush current cold max. | <60A @120V AC, <100A @240V AC |

Ausgangsdaten Output Specifications

| | | |
|----------------------------|--------------------------------------|-------------------------------------------|
| Leistung | Power | 30 Watt |
| Wirkungsgrad | Efficiency | > 83,5 % |
| Überspannungsschutz | Overvoltage protection | 160% max. |
| Überstrom/Kurzschlußschutz | Overcurrent/short-circuit protection | Can be shorted permanently without damage |
| Restwelligkeit | Ripple and noise | see table |

Allgemeine Daten General Specifications

| | | |
|------------------------|------------------------------|--------------------------------------------------------------------------------------|
| Betriebstemperatur | Operating temperature | 0°C... +40°C |
| Lagertemperatur | Storage temperature | -30°C... +85°C |
| Luftfeuchtigkeit | Humidity | 5...90 %RH |
| Leckstrom | Leakage current | max. 3,5mA @240VAC |
| Isolation | Dielectric withstand (Hipot) | Input to Output 3KVAC, 10mA for 1 minute Input to F.G. 1,5KVAC, 10mA for 1 minute |
| Funkentstörung | Emissions | FCC Class B , EN 55022 B |
| EMV | EMC | EN61000-3-2,-3-3,-4-2,4-3,4-4,4-5,4-6,4-8,4-11 |
| Zulassungsbestimmungen | Safety requirements | CB Report EN60950-1:2005(2nd) Am1:2009 cUL 60950-1, CE |

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Bestell-Information / Order Information

| Modell | Ausgang Output | Last/Load | | Ripple P-P | Regulation |
|-----------------|----------------|-----------|--------|------------|------------|
| | | Min. | Max. | | |
| PSAC30U- 050(p) | 5V | 0.0 A | 4.00 A | 70 mV | ±5% |
| PSAC30U- 120(p) | 12V | 0.0 A | 2.50 A | 120 mV | ±5% |
| PSAC30U- 240(p) | 24V | 0.0 A | 1.25 A | 240 mV | ±5% |
| PSAC30U- 560(p) | 56V | 0.0 A | 0.54 A | 560 mV | ±5% |

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

Vermerk

- 1-(p) ist für Ausgangsstecker, innen positiv.
- 2-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.

Remarks

- 1-Suffix (p) for output connector center polarity positiv.
- 2-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.

MEMO:

Mechanik

Mechanical

| | | |
|----------|---------|---------------------------------------------------------------|
| LxBxH | LxWxH | 103,4 x 42 x 28,7 mm/ 4,07 x 1,65 x 1,13 in |
| Gewicht | Weight | 160 g / 5,64 oz |
| DC-Kabel | DC-cord | 1500 mm. , output connector 2.1 x 5.5 x 10 mm center positive |

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

