

**Woertz-USA**

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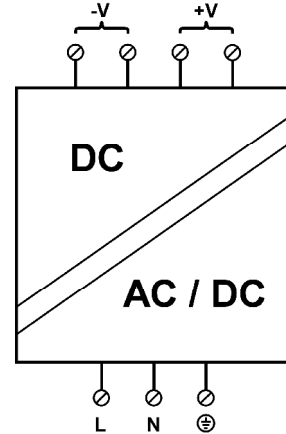
Fax: (800) 522-3868

**Properties**

- High grade DIN rail power supply
- Large input voltage range
- PFC (Power Factor Correction)
- LED indication for power on
- Protected against overvoltage / short circuit
- Protected against overload-current / over temperature
- Low output ripple
- CE-conform ; UL marked
- Safety standards: EN 60950
- EMC: EN55022 (CISPR22) class B, EN61000-3-2,3, class D
- EN61000-4-2,3,4,5,6,8,11, ENV50204
- EN61000-6-2, heavy industry level, criteria A

**On request**

- -Other output voltage



**Technical data (T<sub>a</sub>= 25 °C)**

**Input**

Rated voltage range  
Inrush current  
Supply frequency  
Leakage current

**100-120VAC / 200-240AC**

cold start 50A / 230VAC  
DC or 50/60Hz  
< 3.5mA / 240VAC

**Output**

Voltage / current  
Initial accuracy  
Line regulation  
Max. ripple and noise  
Efficiency  
Output adjust range  
Working temperature / load

**24VDC / 20.0A**

± 1%  
± 0.5%  
120mV peak-peak  
89%  
24-28V  
-10°C...+50°C / 100%  
70°C / 60%

Set time / hold up time / raise time  
Overvoltage protection

1200ms / 16ms / 40ms, 230VAC full load  
at 30-36V, protection type: shunts down output voltage, repower input to recover

Overload-current protection

at 105-150% of rated current, constant current limiting, auto recovery after fault condition is removed

Over temperature

100°C ± 5°C (TSW: detect on heatsink of power switch), protection type: shunt down output voltage, auto-recovery ≥0.7

PFC (Power Factor Correction)

**General data**

Input connection  
Output connection  
Rated cross section of connecting terminals  
Input / output isolation (1min AC)  
Input / ground isolation (1min AC)  
Output / ground isolation (1min AC)  
Input / output, input / ground, output / ground isolation resistance  
MTBF  
Weight  
Mounting  
Cooling  
Size W x H x D  
Storage temperature, humidity  
Temperature coefficient  
Vibration

3 poles, screw terminal  
4 poles, screw terminal  
4mm<sup>2</sup>  
3.0 kV  
1.5kV  
0.5kV  
100MΩ / 500VDC

180.9Khrs min, MIL-HDBK-217F (25°C)  
2.2kg

on DIN rails EN60715 TH35  
convection cooling

227 x 125.2 x 100mm  
-20...+85°C, 10-95% RH  
± 0.03%/°C (0-50°C)

10-500Hz, 2G 10min/1cycle, 60min each along X, Y, Z axes

**Order numbers**

Output voltage / current  
Product number

24VDC / 20.0A  
**45704K / 24S (115V)**