

Technical Information

Single-phase primary switched-mode power supply unit EPNW 1504

Product name

EPNW 1504



Description	EPNW 1504
	Power supply unit for DIN rail mounting 15 V / 4 A with international wide-range input for distribution cabinet installation / 45 mm panel cutout

Characteristics	
	High profitability
	International AC input range
	Compact size, lightweight
	Burn-in test with 100 % load
	High efficiency
	Inrush current limitation
	Short-circuit-proof, overload-proof and overvoltage-protected

Output	
Nominal output voltage	15 V
Rated current	4 A
Output current range	0 – 4 A
Rated power	60 W
Interference voltage Ripple & Noise (max.)	120 mVp-p
Output voltage adjustment range	13.5 – 16.5 V
Output voltage tolerance	+/-1% max.
Line regulation	+/-1% max.
Load regulation	+/-1% max.
Start-up delay, rise time	100 ms, 30 ms / 230 VAC 200 ms, 30 ms / 115 VAC at full load
Hold-up time	100 ms / 230 VAC 23 ms / 115 VAC at full load

Input	
Input voltage range	88 – 264 V AC, 124 – 370 V DC (see input derating diagram)
Frequency range	47 – 63 Hz
Efficiency/typ.	83%
Input current	1.2 A / 115 V AC 0.8 A / 230 V AC
Maximum inrush current (cold start)	18 A / 115 V AC 36 A / 230 V AC

Protection	
Overload protection	105 – 160 % Constant current limitation
Overvoltage protection	17.25 – 20.25 V

Ambient conditions	
Operating temperature and humidity	-20 – +60°C (see output derating diagram) 20 – 90% relative humidity
Storage temperature and humidity	-40 – +85 °C, 10 – 95 % relative humidity
Temperature coefficient	+/-0.03% / °C (0 – 50 °C)
Shock and vibration	10 – 500 Hz, 2 G all axes, IEC 60068-2-6

Safety/EMC	
Safety standards	UL60950-1, EN60950-1, EN50178
Dielectric strength/test voltage	Input – output 3 kV AC
Insulation resistance	Input – output 100 M Ohm / 500 V DC
EMC	EN55011, EN55032 / B
Harmonics	EN61000-3-2,-3,
Immunity	EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, EN61000-6-2, EN61204-3
RoHS compliance	2011/65/EU – ROHS
PFOS conformity	2006/122/EC – PFOS

Weight, dimensions, and connections	
Dimensions W x H x D in mm	78 x 93 (103) x 56
Weight in kg	270

