

# Power supply unit - ESSENTIAL-PS/1AC/24DC/480W/EE - 2910588

## Technical data

### General

Insulation voltage input / PE	2 kV AC
Insulation voltage output / PE	0.5 kV AC
Protection class	I (with PE connection)
Degree of protection	IP20
MTBF (Telcordia SR-332)	> 700000 h

### Connection data, input

Connection method	Screw connection
Conductor cross section AWG min.	16
Conductor cross section AWG max.	12
Stripping length	7 mm

### Connection data, output

Connection method	Screw connection
Conductor cross section AWG min.	16
Conductor cross section AWG max.	12
Stripping length	7 mm

### Standards and Regulations

Electromagnetic compatibility	Conformance with EMC Directive 2014/30/EU
Noise emission	EN 55011 (EN 55022) Class B
Noise immunity	EN 61000-6-2
	EN 61000-6-1
Standards/regulations	EN 61000-6-3
Low Voltage Directive	Conformance with Low Voltage Directive 2014/35/EC
Standard - Electrical safety	EN 60950-1
Standard – Safety extra-low voltage	EN 60950-1 (SELV)
UL approvals	UL/C-UL listed UL 508
Shock	IEC 60068-2-27, 27, half sinusoidal wave: 50g for 11 ms; 3x per direction, 9x overall
Vibration (operation)	IEC 60068-2-6, sinusoidal waves: 10 Hz ... 500 Hz, 19,6 m/s <sup>2</sup> (2g peak), 10 min. per cycle, 60 min. in the X direction
Approval - requirement of the semiconductor industry with regard to mains voltage dips	SEMI F47 - 0706 (200 V AC)

## Drawings

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Schematic diagram

