



Main

Range of product	Phaseo
Product or component type	Power supply
Power supply type	Regulated switch mode
Input voltage	100...370 V DC 120...230 V AC single phase , terminal(s): N-L1 120...230 V AC phase to phase , terminal(s): L1-L2
Output voltage	24 V DC
Rated power in W	85 W
Input protection type	Integrated fuse (not interchangeable)
Power supply output current	3.5 A
Output protection type	Thermal Against overvoltage Against short-circuits , protection technology: automatic reset Against overload , protection technology: 33 V
Ambient air temperature for operation	-20...45 °C without derating 45...60 °C with rated power derating 1.4 W per °C

Complementary

Input voltage limits	90...264 V
Network frequency	47...63 Hz
Inrush current	<= 27 A
Cos phi	> 0.65
Efficiency	86...90 %
Output voltage limits	96...114 % adjustable
Power dissipation in W	11 W 15 W
Current consumption	0.8 A at 230 V 1.4 A at 120 V
Line and load regulation	+/- 1 %
Residual ripple	<= 100 mV
Holding time	>= 20 ms at 120 V >= 70 ms at 230 V
Permissible temporary current boost	1.7 x In for 30 seconds
Connections - terminals	Removable screw terminal block for input connection , connection capacity: 2 x 0.2...2 x 2.5 mm ² AWG gauge24...12 Removable screw terminal block for input ground connection , connection capacity: 1 x 0.2...1 x 2.5 mm ² AWG gauge24...12 Removable screw terminal block for output connection , connection capacity: 4 x 0.5...2 x 2.5 mm ² AWG gauge24...12 Removable screw terminal block for diagnostic relay , connection capacity: 2 x 0.2...2 x 2.5 mm ² AWG gauge24...12
Marking	CE
Mounting support	35 x 15 mm symmetrical DIN rail 35 x 7.5 mm symmetrical DIN rail
Operating position	Vertical
Output coupling	Parallel Series

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Name of test	Electrostatic discharges conforming to EN/IEC 61000-4-2 Induced electromagnetic field conforming to EN/IEC 61000-4-6 Magnetic field conforming to EN 61000-4-8 Primary outage conforming to IEC 61000-4-11 Radiated electromagnetic field conforming to EN/IEC 61000-4-3 Radiated emissions conforming to EN 55011 class A Rapid transient conforming to IEC 61000-4-4 Surge conforming to EN/IEC 61000-4-5 Conducted emissions on the power line conforming to EN 55011 class A
Status LED	1 LED green for output voltage (> 21.6 V) 1 LED red for overload
Product weight	0.4 kg

Environment

Product certifications	CSA C22-2 No 14 CULus 508
Environmental characteristic	EMC conforming to EN 50081-1 EMC conforming to EN 50082-2 EMC conforming to EN/IEC 61000-6-2 Safety conforming to EN/IEC 60950 Safety conforming to SELV
IP degree of protection	IP20 conforming to EN/IEC 60529
Ambient air temperature for storage	-25...80 °C
Relative humidity	0...90 % during operation 0...95 % in storage
Class of protection against electric shock	Class I conforming to VDE 0106-1
Dielectric strength	1500 V between input and ground 3000 V between input and output 500 V between output and ground