



Main

Range of product	Phaseo
Product or component type	Power supply
Power supply type	Regulated switch mode
Input voltage	100...240 V AC phase to phase, terminal(s): L1-L2 100...240 V AC single phase, terminal(s): N-L1 110...220 V DC
Output voltage	48 V DC
Rated power in W	120 W
Input protection type	Integrated fuse (not interchangeable)
Power supply output current	2.5 A
Output protection type	Against overload, protection technology: 1.1 x In Against overvoltage, protection technology: tripping if $U > 1.5 \times U_n$ Against short-circuits, protection technology: manual or automatic reset Against undervoltage, protection technology: tripping if $U < 0.8 \times U_n$
Ambient air temperature for operation	0...50 °C without 50...60 °C with

Complementary

Input voltage limits	100...250 V 85...264 V
Network frequency	47...63 Hz
Inrush current	30 A
Cos phi	0.98
Efficiency	85 %
Output voltage limits	100...120 % adjustable
Power dissipation in W	25.4 W
Current consumption	1 A at 100 V 0.6 A at 240 V
Line and load regulation	+/- 3 %
Holding time	≥ 20 ms at 100 V ≥ 20 ms at 240 V
Connections - terminals	Screw type terminals for input connection, connection capacity: 2 x 0.14...2 x 2.5 mm ² AWG 26...AWG 14 Screw type terminals for output connection, connection capacity: 4 x 0.14...4 x 2.5 mm ² AWG 26...AWG 14

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Screw type terminals for input ground connection, connection capacity: 1 x 0.14...1 x 2.5 mm² AWG 26...AWG 14
 Screw type terminals for output ground connection, connection capacity: 2 x 0.14...2 x 2.5 mm² AWG 26...AWG 14

Marking	CE
Mounting support	35 x 15 mm symmetrical DIN rail 35 x 7.5 mm symmetrical DIN rail 75 x 7.5 mm symmetrical DIN rail
Operating position	Vertical
Operating altitude	2000 m
Output coupling	Parallel Series
Name of test	Conducted/radiated emissions conforming to EN 55011 Conducted/radiated emissions conforming to EN 55022 Class B Electrostatic discharges conforming to EN/IEC 61000-4-2 Emission conforming to EN 50081-1 Induced electromagnetic field conforming to EN/IEC 61000-4-6 Primary outage conforming to IEC 61000-4-11 Radiated electromagnetic field conforming to EN/IEC 61000-4-3 Rapid transient conforming to IEC 61000-4-4 Surge conforming to EN/IEC 61000-4-5
Status LED	1 LED green for output voltage 1 LED orange for input voltage
Depth	120 mm
Height	120 mm
Width	54 mm
Product weight	1 kg

Environment

Product certifications	CSA 22-2 No 950 TÜV UL 508 EAC KC
Standards	UL 508 CSA C22.2 No 60950-1
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 IEC 61496-1-2 Safety conforming to SELV
IP degree of protection	IP20 conforming to EN/IEC 60529
Ambient air temperature for storage	-25...70 °C
Relative humidity	0...95 % without condensation or dripping water
Overvoltage category	Class I conforming to VDE 0106-1
Dielectric strength	Between input and ground Between output and ground Between input and output Between outputs

Contractual warranty

Warranty period	18 months
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