



Main

Range of product	Phaseo
Product or component type	Power supply
Power supply type	Regulated switch mode
Input voltage	100...120 V AC single phase, terminal(s): N-L1 200...500 V AC phase to phase, terminal(s): L1-L2
Output voltage	24 V DC
Rated power in W	120 W
Provided equipment	Power factor correction filter conforming to IEC 61000-3-2
Power supply output current	5 A
Output protection type	Against overload, protection technology: manual or automatic reset Against overvoltage, protection technology: 30...32 V, manual reset Against short-circuits, protection technology: manual or automatic reset Against undervoltage, protection technology: tripping if $U < 21.6$ V Thermal, protection technology: automatic reset
Ambient air temperature for operation	50...60 °C with -25...50 °C without

Complementary

Input voltage limits	170...550 V 85...132 V
Network frequency	47...63 Hz
Inrush current	30 A for 2 ms
Cos phi	0.051 at 240 V 0.059 at 120 V
Efficiency	87 %
Output voltage limits	24...28.8 V adjustable
Power dissipation in W	15.5 W
Line and load regulation	1...3 %
Holding time	≥ 120 ms at 400 V ≥ 20 ms at 100 V

>= 40 ms at 240 V

Permissible temporary current boost	1.5 x In for 4 s
Connections - terminals	Screw type terminals for input connection, connection capacity: 3 x 0.5...3 x 4 mm ² AWG 22...AWG 12 Screw type terminals for input ground connection, connection capacity: 1 x 0.5...1 x 4 mm ² AWG 22...AWG 12 Screw type terminals for output connection, connection capacity: 4 x 0.5...4 x 4 mm ² AWG 22...AWG 12 Screw type terminals for output ground connection, connection capacity: 1 x 0.5...1 x 4 mm ² AWG 22...AWG 12 Removable screw terminal block for diagnostic relay, connection capacity: 2 x 2.5 mm ²
Marking	CE
Mounting support	35 x 15 mm symmetrical DIN rail 35 x 7.5 mm symmetrical DIN rail
Operating position	Vertical
Operating altitude	2000 m
Output coupling	Parallel Series
Name of test	Harmonic current emission conforming to EN/IEC 61000-3-2 Conducted emissions on the power line conforming to EN 55022 Class B 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 55022 Class B Rapid transient conforming to IEC 61000-4-4 Surge conforming to EN/IEC 61000-4-5
Status LED	1 LED green and red for output voltage 1 LED green, red and orange for output current
Depth	125 mm
Height	143 mm
Width	56 mm
Product weight	0.7 kg

Environment

Product certifications	CCSAus UL RCM EAC KC
Standards	UL 508 CSA C22.2 No 60950-1
Environmental characteristic	EMC conforming to EN 55024 EMC conforming to EN 61000-6-1 EMC conforming to EN 61000-6-3 EMC conforming to EN/IEC 61000-6-4 EMC conforming to EN/IEC 61204-3 Safety conforming to EN/IEC 60950-1 Safety conforming to EN/IEC 61204-3 Safety conforming to SELV
IP degree of protection	IP20 conforming to EN/IEC 60529
Ambient air temperature for storage	-40...70 °C
Relative humidity	0...90 % during operation 0...95 % in storage
Overvoltage category	Class I conforming to VDE 0106-1
Dielectric strength	Between input and ground Between output and ground Between input and output
MTBF reliability	915000 H at 100 V AC with UTE C80-810 calculation method 950000 H at 200...500 V AC with UTE C80-810 calculation method