



### Main

Range of product	Phase0
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...240 V AC phase to phase, terminal(s): L1-L2
Output voltage	24 V DC
Rated power in W	480 W
Provided equipment	Power factor correction filter conforming to IEC 61000-3-2
Power supply output current	20 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...264 V 85...132 V
Network frequency	47...63 Hz
Inrush current	30 A for 2 ms
Cos phi	0.68 at 240 V 0.69 at 120 V
Efficiency	88 %
Output voltage limits	24...28.8 V adjustable
Power dissipation in W	57.6 W
Line and load regulation	1...3 %
Holding time	$\geq 120$ ms at 400 V $\geq 20$ 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 <sup>2</sup> AWG 22...AWG 12 Screw type terminals for input ground connection, connection capacity: 1 x 0.5...1 x 4 mm <sup>2</sup> AWG 22...AWG 12 Screw type terminals for output connection, connection capacity: 4 x 0.5...4 x 4 mm <sup>2</sup> AWG 22...AWG 12 Removable screw terminal block for diagnostic relay, connection capacity: 2 x 2.5 mm <sup>2</sup>
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	145 mm
Height	143 mm
Width	146 mm
Product weight	1.6 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	IP10 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	717000 H at 100 V AC with UTE C80-810 calculation method 695000 H at 240 V AC with UTE C80-810 calculation method

## Offer Sustainability

Sustainable offer status	Green Premium product
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