



### Main

Range of product	Phaseo Dedicated
Product or component type	Power supply
Power supply type	Regulated switch mode
Rated power in W	100 W
Input voltage	100...240 V AC single phase 120...370 V DC
Output voltage	24 V DC
Power supply output current	4.2 A
Operating position	Any position
Vibration resistance	2 gn (f = 9...150 Hz) conforming to EN/IEC 61131-2 3.5 mm (f = 5...9 Hz) conforming to EN/IEC 61131-2
Name of test	Conducted interference conforming to EN 61000-4-8 level 4 Conducted/radiated emissions conforming to EN 55022 Class B Conducted/radiated emissions conforming to EN/IEC 55011 Electrostatic discharges conforming to EN/IEC 61000-4-2 level 3 Emission conforming to EN/IEC 61000-6-3 Induced electromagnetic field conforming to EN/IEC 61000-4-6 level 3 Primary outage conforming to IEC 61000-4-11 Radiated electromagnetic field conforming to EN/IEC 61000-4-3 level 3 Rapid transient conforming to IEC 61000-4-4 level 3 Surge conforming to EN/IEC 61000-4-5

### Complementary

Input voltage limits	85...264 V
Network frequency	47...63 Hz
Inrush current	<= 50 A at 115 V AC <= 100 A at 230 V AC
Cos phi	0.65
Efficiency	> 80 %
Power dissipation in W	25 W
Current consumption	0.7 A at 240 V 1.4 A at 100 V
Input protection type	Integrated fuse (not interchangeable)
Output voltage limits	21.6...26.4 V
Line and load regulation	+/- 3 %

Holding time	>= 10 ms at 100 V >= 40 ms at 240 V
Output protection type	Against overload, protection technology: 1.1...1.5 x I <sub>n</sub> Against overvoltage, protection technology: tripping if U > 1.25 x U <sub>n</sub> Against short-circuits, protection technology: automatic reset Thermal
Connections - terminals	Screw type terminals for ground connection, connection capacity: 1 x 4 mm <sup>2</sup> AWG 12 Screw type terminals for input connection, connection capacity: 2 x 4 mm <sup>2</sup> AWG 12 Screw type terminals for output connection, connection capacity: 4 x 4 mm <sup>2</sup> AWG 12
Marking	CE
Mounting support	Panel Reversible mounting bracket
Operating altitude	2000 m
Output coupling	Parallel Series
Overvoltage category	II
Meantime between failure [MTBF]	> 100000 h at 40 °C
Status LED	1 LED green for output voltage
Product weight	0.64 kg

## Environment

Product certifications	CCSAus CSA 22-2 No 60950-1 TUV 60950-1 UL 508 RCM EAC KC
Environmental characteristic	EMC conforming to EN 50081-1 EMC conforming to EN 50082-2 EMC conforming to EN 61000-6-3 EMC conforming to EN/IEC 61000-6-2 Safety conforming to EN/IEC 60950-1 Safety conforming to SELV
IP degree of protection	IP20 conforming to EN/IEC 60950
Ambient air temperature for operation	0...45 °C without derating factor 45...60 °C with derating factor
Ambient air temperature for storage	-25...85 °C
Relative humidity	20...90 %
Overvoltage category	Class I conforming to VDE 0106-1
Pollution degree	2
Dielectric strength	1500 V between input and ground 3000 V between input and output 500 V between output and ground

## Contractual warranty

Warranty period	18 months
-----------------	-----------