



Main

Range of product	Phaseo AS-Interface
Product or component type	Power supply
Power supply type	Regulated switch mode
Output voltage	30 V DC for AS-Interface line
Rated power in W	144 W at 30 V
Input voltage	100...240 V AC single phase, terminal(s): N-L1 100...240 V AC phase to phase, terminal(s): L1-L2
Power supply output current	4.8 A
Detection type	Earth fault
Operating position	Vertical

Complementary

Input voltage limits	85...264 V
Network frequency limits	47...63 Hz
Input voltage tolerance	- 15...10 %
Inrush current	< 30 A
Cos phi	0.65
Efficiency	> 83 % at 30 V
Power dissipation in W	29.5 W at 30 V
Current consumption	1 A
Input protection type	Integrated fuse (not interchangeable)
Line and load regulation	3 %
Residual ripple	300 mV
Holding time	>= 10 ms
Output protection type	Against undervoltage, protection technology: tripping if $U < 0.95 \times U_n$ Against short-circuits, protection technology: automatic reset Against overvoltage, protection technology: tripping if $U > 1.2 \times U_n$ Against overload, protection technology: $1.1 \times I_n$
Connections - terminals	Screw type terminals for output ground connection, connection capacity: $2 \times 2.5 \text{ mm}^2$, number of terminals = 2, cable cross section = 2.5 mm^2 AWG gauge14 Screw type terminals for input ground connection, connection capacity: $1 \times 2.5 \text{ mm}^2$, number of terminals = 1, cable cross section = 2.5 mm^2 AWG gauge14 Screw type terminals for input connection, connection capacity: $2 \times 2.5 \text{ mm}^2$, number of terminals = 2, cable cross section = 2.5 mm^2 AWG gauge14 Screw type terminals for AS-Interface line, connection capacity: $4 \times 2.5 \text{ mm}^2$, number of terminals = 4, cable cross section = 2.5 mm^2 AWG gauge14
Mounting support	35 mm symmetrical DIN rail 75 mm symmetrical DIN rail
Name of test	Vibration conforming to EN/IEC 61131-2 Rapid transient conforming to IEC 61000-4-4 level 3 Radiated electromagnetic field conforming to EN/IEC 61000-4-3 Primary outage conforming to IEC 61000-4-11 Induced electromagnetic field conforming to EN/IEC 61000-4-6 Emission conforming to EN 61000-6-3 Electrostatic discharges conforming to EN/IEC 61000-4-2 Conducted/Radiated emissions conforming to EN 55022 Class B
Meantime between failure (MTBF)	> 100000 h at 40 °C
Status LED	1 LED orange for input voltage 1 LED green for output voltage
Product weight	1.3 kg

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Environment

Product certifications	CSA 22-2 No 950 TUV 60950-1 UL 508
Environmental characteristic	Safety conforming to EN 60950-1 EMC conforming to EN/IEC 61000-6-2 EMC conforming to EN 55022 Class B EMC conforming to EN 50081-1
IP degree of protection	IP20 conforming to EN/IEC 60529
Ambient air temperature for operation	50...60 °C with derating factor 0...50 °C without derating factor
Ambient air temperature for storage	-25...70 °C
Relative humidity	0...95 % without condensation or dripping water
Dielectric strength	500 V between outputs 500 V between output and ground 3000 V between input and output 3000 V between input and ground