



## 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
Input voltage	100...240 V AC phase to phase, terminal(s): L1-L2 100...240 V AC single phase, terminal(s): N-L1
Power supply output current	4.8 A
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 overload, protection technology: 1.1 x In Against overvoltage, protection technology: tripping if U > 1.2 x Un Against short-circuits, protection technology: automatic reset Against undervoltage, protection technology: tripping if U < 0.95 x Un
Connections - terminals	AS-Interface line: screw type terminals 4 x 2.5 mm <sup>2</sup> , 4, cable cross section: 2.5 mm <sup>2</sup> (AWG 14) Input connection: screw type terminals 2 x 2.5 mm <sup>2</sup> , 2, cable cross section: 2.5 mm <sup>2</sup> (AWG 14) Input ground connection: screw type terminals 1 x 2.5 mm <sup>2</sup> , 1, cable cross section: 2.5 mm <sup>2</sup> (AWG 14) Output ground connection: screw type terminals 2 x 2.5 mm <sup>2</sup> , 2, cable cross section: 2.5 mm <sup>2</sup> (AWG 14)
Mounting support	75 mm symmetrical DIN rail 35 mm symmetrical DIN rail
Operating altitude	2000 m
Name of test	Rapid transient conforming to IEC 61000-4-4 level 3 Conducted/Radiated emissions conforming to EN 55022 class B Electrostatic discharges conforming to EN/IEC 61000-4-2 Emission conforming to EN 61000-6-3 Induced electromagnetic field conforming to EN/IEC 61000-4-6 Primary outage conforming to IEC 61000-4-11 Vibration conforming to EN/IEC 61131-2 Radiated electromagnetic field conforming to EN/IEC 61000-4-3
Meantime between failure [MTBF]	100000 h at 40 °C
Status LED	1 LED (green) output voltage 1 LED (orange) input voltage
Net weight	1.3 kg

## Environment

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

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	9.5 cm
Package 1 Width	13.2 cm
Package 1 Length	14.5 cm
Package 1 Weight	1.332 kg

## Contractual warranty

Warranty	18 months
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