

Product datasheet

Specifications



regulated switch mode power supply - AS-I - 100..240 V - 30 V - 4 A

ASIABL3004

❗ Discontinued

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 I _n Against overvoltage, protection technology: tripping if U > 1.2 x U _n Against short-circuits, protection technology: automatic reset Against undervoltage, protection technology: tripping if U < 0.95 x U _n
Connections - terminals	AS-Interface line: screw type terminals 4 x 2.5 mm ² , 4, cable cross section: 2.5 mm ² (AWG 14) Input connection: screw type terminals 2 x 2.5 mm ² , 2, cable cross section: 2.5 mm ² (AWG 14) Input ground connection: screw type terminals 1 x 2.5 mm ² , 1, cable cross section: 2.5 mm ² (AWG 14) Output ground connection: screw type terminals 2 x 2.5 mm ² , 2, cable cross section: 2.5 mm ² (AWG 14)

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

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 61000-6-2 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 TUV 60950-1 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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