

Product data sheet

Specifications



regulated switch mode power supply - AS-I - 100..240 V - 30 V - 2.4 A

ASIABLB3002

Main

Range of Product	Phaseo AS-Interface
Product or Component Type	Power supply
Power supply type	Regulated switch mode
Output voltage	30 V DC AS-Interface line
Kw Rating	72 W
Input voltage	100...240 V AC phase to phase L1-L2 100...240 V AC single phase N-L1
Power supply output current	2.4 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 % 30 V
Power dissipation in W	14.7 W 30 V
Current consumption	0.5 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 1.1 x In Against overvoltage tripping if $U > 1.2 \times U_n$ Against short-circuits automatic reset Against undervoltage tripping if $U < 0.95 \times U_n$
Connections - terminals	AS-Interface line screw type terminals 4 x 2.5 mm ² , 4 0.00 in ² (2.5 mm ²) AWG 14) Input connection screw type terminals 2 x 2.5 mm ² , 2 0.00 in ² (2.5 mm ²) AWG 14) Input ground connection screw type terminals 1 x 2.5 mm ² , 1 0.00 in ² (2.5 mm ²) AWG 14) Output ground connection screw type terminals 2 x 2.5 mm ² , 2 0.00 in ² (2.5 mm ²) AWG 14)
Mounting Support	35 mm symmetrical DIN rail

Package 2 Weight	30.41 oz (862.0 g)
Unit Type of Package 3	S03
Number of Units in Package 3	12
Package 3 Height	11.81 in (30.0 cm)
Package 3 Width	11.81 in (30.0 cm)
Package 3 Length	15.75 in (40.0 cm)
Package 3 Weight	24.38 lb(US) (11.057 kg)

Contractual warranty

Warranty	18 months
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Recommended replacement(s)

75 mm symmetrical DIN rail

Operating altitude	6561.68 ft (2000 m)
Name of test	Radiated electromagnetic field EN/IEC 61000-4-3 level 3 Rapid transient IEC 61000-4-4 level 3 Conducted/radiated emissions EN 55022 Class B Electrostatic discharges EN/IEC 61000-4-2 Emission EN 61000-6-3 Induced electromagnetic field EN/IEC 61000-4-6 Primary outage IEC 61000-4-11 Vibration EN/IEC 61131-2
Meantime between failure [MTBF]	100000 h 104 °F (40 °C)
Status LED	1 LED (Green) output voltage 1 LED (Orange) input voltage
Net Weight	1.76 lb(US) (0.8 kg)

Environment

Product Certifications	CSA 22-2 No 950 UL 508 TUV 60950-1
Environmental characteristic	EMC EN 50081-1 EMC EN 55022 Class B EMC EN/IEC 61000-6-2 Safety EN 60950-1
IP degree of protection	IP20 conforming to EN/IEC 60529
Ambient air temperature for operation	32...122 °F (0...50 °C) without derating) 122...140 °F (50...60 °C) with derating factor)
Ambient Air Temperature for Storage	-13...158 °F (-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

Ordering and shipping details

Category	18325-SERIPLEX SOFTWARE&CABLES DISC SPX2
Discount Schedule	SPX2
GTIN	3389110085624
Returnability	No
Country of origin	CN

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.64 in (6.7 cm)
Package 1 Width	5.31 in (13.5 cm)
Package 1 Length	5.71 in (14.5 cm)
Package 1 Weight	30.20 oz (856.125 g)
Unit Type of Package 2	CAR
Number of Units in Package 2	1
Package 2 Height	2.64 in (6.7 cm)
Package 2 Width	5.31 in (13.5 cm)
Package 2 Length	5.71 in (14.5 cm)