

Product data sheet

Characteristics

ABL8MEM12020

regulated SMPS - 1 or 2-phase - 100..240 V AC - 12 V - 2 A

Product availability: Stock - Normally stocked in distribution facility

Price*: 132.00 USD



Main

Commercial Status	Commercialised
Range of product	Phaseo
Product or component type	Power supply
Power supply type	Regulated switch mode
Input voltage	120...250 V DC 100...240 V AC single phase, terminal(s): N-L1 100...240 V AC phase to phase, terminal(s): L1-L2
Output voltage	12...15 V DC
Rated power in W	25 W
Input protection type	Integrated fuse (not interchangeable)
Power supply output current	2.1 A
Output protection type	Against short-circuits

Complementary

Input voltage limits	85...264 V
Network frequency	47...63 Hz
Inrush current	<= 20 A
Cos phi	0.5
Efficiency	> 80 %
Output voltage limits	11.4...15 V adjustable
Power dissipation in W	6.2 W
Current consumption	0.6 A at 100 V 0.35 A at 240 V
Line and load regulation	+/- 3 %
Residual ripple	250 mV
Holding time	>= 10 ms at 100 V
Connections - terminals	Screw type terminals for output connection, connection capacity: 4 x 0.14...4 x 2.5 mm ² AWG gauge26...14 Screw type terminals for input connection, connection capacity: 2 x 0.14...2 x 2.5 mm ² AWG gauge26...14
Marking	CE
Mounting support	35 x 15 mm symmetrical DIN rail 35 x 7.5 mm symmetrical DIN rail Panel 2 screws, diameter : 4 mm
Operating position	Vertical
Output coupling	Parallel Series
Name of test	Surge conforming to EN/IEC 61000-4-5 Rapid transient conforming to IEC 61000-4-4 Radiated emissions conforming to EN 55022 Class B 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 Harmonic current emission conforming to EN/IEC61000-3-2 Emission conforming to EN 50081-1 Electrostatic discharges conforming to EN/IEC 61000-4-2 Conducted emissions on the power line conforming to EN 55022 Class B

Status LED	1 LED green for output voltage
Depth	2.32 in (59 mm)
Height	3.94 in (100 mm)
Width	2.36 in (60 mm)
Product weight	0.43 lb(US) (0.195 kg)

Environment

Product certifications	CCSAus CSA 22-2 No 950-1 C-Tick CULus 508 TUV 60950-1
Environmental characteristic	Safety conforming to SELV Safety conforming to EN/IEC 60950-1 EMC conforming to EN/IEC 61204-3 EMC conforming to EN/IEC 61000-6-2 EMC conforming to EN 61000-6-3 EMC conforming to EN 55022 Class B
IP degree of protection	IP20 conforming to EN/IEC 60529
Ambient air temperature for storage	-40...158 °F (-40...70 °C)
Relative humidity	0...95 % in storage 0...90 % during operation
Class of protection against electric shock	Class II conforming to VDE 0106-1
Dielectric strength	3000 V between input and output

Ordering and shipping details

Category	22525 - ABL8 AND ABL7 POWER SUPPLIES
Discount Schedule	CP12
GTIN	00785901608264
Nbr. of units in pkg.	1
Package weight(Lbs)	0.51
Product availability	Stock - Normally stocked in distribution facility
Returnability	Y
Country of origin	CN

Contractual warranty

Period	18 months
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