

# Product data sheet

## Characteristics

# ABL8MEM05040

regulated SMPS - 1 or 2-phase - 100..240 V AC -  
5 V - 4 A

Product availability : Stock - Normally stocked in distribution facility

Price\* : 128.00 USD



### Main

Range of product	Phaseo
Product or component type	Power supply
Power supply type	Regulated switch mode
Input voltage	100...240 V AC phase to phase, terminal(s): L1-L2 100...240 V AC single phase, terminal(s): N-L1 120...250 V DC
Output voltage	5 V DC
Rated power in W	20 W
Input protection type	Integrated fuse (not interchangeable)
Power supply output current	4 A
Output protection type	Against short-circuits
Ambient air temperature for operation	-13...131 °F (-25...55 °C) without 55...70 °C with

### Complementary

Input voltage limits	85...264 V
Network frequency	47...63 Hz
Inrush current	<= 20 A
Cos phi	> 0.5
Efficiency	> 75 %
Output voltage limits	4.75...6.25 V adjustable
Power dissipation in W	6.7 W
Current consumption	0.35 A at 240 V 0.55 A at 100 V
Line and load regulation	+/- 3 %
Residual ripple	250 mV
Holding time	>= 10 ms at 100 V

Connections - terminals	Screw type terminals input connection, connection capacity: 2 x 0.14...2 x 2.5 mm <sup>2</sup> AWG 26...AWG 14 Screw type terminals output connection, connection capacity: 4 x 0.14...4 x 2.5 mm <sup>2</sup> AWG 26...AWG 14
Marking	CE
Mounting support	35 x 7.5 mm symmetrical DIN rail 35 x 15 mm symmetrical DIN rail Panel 2 screws, diameter : 4 mm
Operating position	Vertical
Operating altitude	6561.68 ft (2000 m)
Output coupling	Series Parallel
Name of test	Harmonic current emission conforming to EN/IEC 61000-3-2 Conducted emissions on the power line conforming to EN 55022 Class B Electrostatic discharges conforming to EN/IEC 61000-4-2 Emission conforming to EN 50081-1 Induced electromagnetic field conforming to EN/IEC 61000-4-6 Primary outage conforming to IEC 61000-4-11 Radiated electromagnetic field conforming to EN/IEC 61000-4-3 Radiated emissions conforming to EN 55022 Class B Rapid transient conforming to IEC 61000-4-4 Surge conforming to EN/IEC 61000-4-5
Status LED	1 LED green output voltage
Depth	2.32 in (59 mm)
Height	3.94 in (100 mm)
Width	2.13 in (54 mm)
Product weight	0.43 lb(US) (0.195 kg)

## Environment

Product certifications	EAC KC RCM TUV 60950-1
Standards	CSA C22.2 No 60950-1 UL 508
Environmental characteristic	EMC conforming to EN 55022 Class B EMC conforming to EN 61000-6-3 EMC conforming to EN/IEC 61000-6-2 EMC conforming to EN/IEC 61204-3 Safety conforming to EN/IEC 60950-1 Safety conforming to SELV
IP degree of protection	IP20 conforming to EN/IEC 60529
Ambient air temperature for storage	-40...158 °F (-40...70 °C)
Relative humidity	0...90 % during operation 0...95 % in storage
Overvoltage category	Class II conforming to VDE 0106-1
Dielectric strength	Between input and output

## Ordering and shipping details

Category	22525 - ABL8 AND ABL7 POWER SUPPLIE
Discount Schedule	CP12
GTIN	00785901670360
Nbr. of units in pkg.	1
Package weight(Lbs)	0.5100000000000001
Returnability	Y
Country of origin	CN

## Contractual warranty

Warranty period	18 months
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