

Product data sheet

Characteristics

ABL7RM24025

regulated SMPS with auto reset - 1 or 2-phase -
200...240 V AC - 24 V - 2.5 A

Product availability: Stock - Normally stocked in distribution facility

Price*: 180.00 USD



Main

Commercial Status	Commercialised
Range of product	Phaseo
Product or component type	Power supply
Power supply type	Regulated switch mode
Input voltage	200...240 V AC single phase, terminal(s): N-L1 200...240 V AC phase to phase, terminal(s): L1-L2
Output voltage	24 V DC
Rated power in W	60 W
PFC filter	With PFC filter conforming to IEC 61000-3-2
Input protection type	Integrated fuse (not interchangeable)
Power supply output current	2.5 A
Output protection type	Against undervoltage, protection technology: tripping if U < 19 V Against short-circuits

Complementary

Input voltage limits	170...264 V
Network frequency	47...63 Hz
Inrush current	<= 90 A for 1 ms
Cos phi	> 0.5
Efficiency	> 84 %
Output voltage limits	22.2...28.8 V adjustable
Power dissipation in W	11.4 W
Current consumption	0.7 A at 240 V
Line and load regulation	+/- 3 %
Residual ripple	200 mV
Holding time	>= 150 ms at 230 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	0.56 lb(US) (0.255 kg)

Environment

Product certifications	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	00785901446484
Nbr. of units in pkg.	1
Package weight(Lbs)	0.71
Product availability	Stock - Normally stocked in distribution facility
Returnability	Y
Country of origin	TW

Contractual warranty

Period	18 months
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