Product data sheet
Characteristics

ABL8REM24050
regulated SMPS - 1 or 2-phase - 100..240 V AC - 24 V - 5 A

Product availability : Stock - Normally stocked in distribution facility

Price* : 300.00 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 110...220 V DC
Output voltage	24 V DC
Rated power in W	120 W
Input protection type	Integrated fuse (not interchangeable)
Power supply output current	5 A
Output protection type	Against overload, protection technology: 1.1 x In Against overvoltage, protection technology: tripping if U > 1.5 x Un Against short-circuits, protection technology: automatic reset Against undervoltage, protection technology: tripping if U < 0.8 x Un
Ambient air temperature for operation	32...122 °F (0...50 °C) without 122...140 °F (50...60 °C) with

Complementary

Input voltage limits	100...250 V 85...264 V
Network frequency	47...63 Hz
Inrush current	<= 30 A
Cos phi	0.65
Efficiency	> 85 %
Output voltage limits	100...120 % adjustable
Power dissipation in W	21.2 W
Current consumption	1.2 A at 240 V 1.9 A at 100 V

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

Line and load regulation	+/- 3 %
Holding time	>= 10 ms at 100 V >= 10 ms at 240 V
Connections - terminals	Screw type terminals input connection, connection capacity: 2 x 0.14...2 x 2.5 mm² AWG 26...AWG 14 Screw type terminals output connection, connection capacity: 4 x 0.14...4 x 2.5 mm² AWG 26...AWG 14 Screw type terminals input ground connection, connection capacity: 1 x 0.14...1 x 2.5 mm² AWG 26...AWG 14 Screw type terminals output ground connection, connection capacity: 2 x 0.14...2 x 2.5 mm² AWG 26...AWG 14
Marking	CE
Mounting support	35 x 15 mm symmetrical DIN rail 35 x 7.5 mm symmetrical DIN rail 75 x 7.5 mm symmetrical DIN rail
Operating position	Vertical
Operating altitude	6561.68 ft (2000 m)
Output coupling	Series Parallel
Name of test	Conducted/Radiated emissions conforming to EN 55011 Conducted/Radiated emissions 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 Rapid transient conforming to IEC 61000-4-4 Surge conforming to EN/IEC 61000-4-5
Status LED	1 LED green output voltage 1 LED orange input voltage
Depth	4.72 in (120 mm)
Height	4.72 in (120 mm)
Width	2.13 in (54 mm)
Product weight	2.2 lb(US) (1 kg)

Environment

Product certifications	RCM TUV 60950-1 EAC KC
Standards	UL 508 CSA C22.2 No 60950-1
Environmental characteristic	EMC conforming to EN 50081-1 EMC conforming to EN 50082-2 EMC conforming to EN/IEC 61000-6-2 Safety conforming to EN/IEC 60950 Safety conforming to SELV
IP degree of protection	IP20 conforming to EN/IEC 60529
Ambient air temperature for storage	-13...158 °F (-25...70 °C)
Relative humidity	0...95 % without condensation or dripping water
Overvoltage category	Class I conforming to VDE 0106-1
Dielectric strength	Between input and ground Between output and ground Between input and output Between outputs

Ordering and shipping details

Category	22525 - ABL8 AND ABL7 POWER SUPPLIE
Discount Schedule	CP12
GTIN	00785901478089
Nbr. of units in pkg.	1

Package weight(Lbs)	1.78
Returnability	Y
Country of origin	CN

Contractual warranty

Warranty period	18 months