

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

Commercial Status	Commercialised
Range of product	Phaseo
Product or component type	Power supply
Power supply type	Regulated switch mode
Input voltage	110...220 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	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 undervoltage, protection technology: tripping if $U < 0.8 \times U_n$ Against short-circuits, protection technology: automatic reset Against overvoltage, protection technology: tripping if $U > 1.5 \times U_n$ Against overload, protection technology: $1.1 \times I_n$

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	1.9 A at 100 V 1.2 A at 240 V
Line and load regulation	± 3 %
Residual ripple	≤ 200 mV
Holding time	≥ 10 ms at 240 V ≥ 10 ms at 100 V
Connections - terminals	Screw type terminals for output ground connection, connection capacity: $2 \times 0.14...2 \times 2.5$ mm ² AWG gauge26...14 Screw type terminals for output connection, connection capacity: $4 \times 0.14...4 \times 2.5$ mm ² AWG gauge26...14 Screw type terminals for input ground connection, connection capacity: $1 \times 0.14...1 \times 2.5$ mm ² AWG gauge26...14 Screw type terminals for input connection, connection capacity: $2 \times 0.14...2 \times 2.5$ mm ² AWG gauge26...14
Marking	CE
Mounting support	35 x 15 mm symmetrical DIN rail 35 x 7.5 mm symmetrical DIN rail 75 x 7.5 mm symmetrical DIN rail
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 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 Emission conforming to EN 50081-1 Electrostatic discharges conforming to EN/IEC 61000-4-2 Conducted/Radiated emissions conforming to EN 55022 Class B Conducted/Radiated emissions conforming to EN 55011
Status LED	1 LED orange for input voltage 1 LED green for output voltage
Depth	4.72 in (120 mm)
Height	4.72 in (120 mm)
Width	1.06 in (27 mm)
Product weight	2.2 lb(US) (1 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 EMC conforming to EN/IEC 61000-6-2 EMC conforming to EN 50082-2 EMC conforming to EN 50081-1
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
Class of protection against electric shock	Class I conforming to VDE 0106-1
Dielectric strength	500 V between outputs 500 V between output and ground 3000 V between input and output 3000 V between input and ground

Ordering and shipping details

Category	22525 - ABL8 AND ABL7 POWER SUPPLIES
Discount Schedule	CP12
GTIN	00785901478089
Nbr. of units in pkg.	1
Package weight(Lbs)	1.78
Product availability	Stock - Normally stocked in distribution facility
Returnability	Y
Country of origin	CN

Contractual warranty

Period	18 months
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