

Product data sheet

Characteristics

ABL7RP4803

Regulated Switch Power Supply, Phaseo ABL7
 ABL8, 1 or 2 phase, 100..240V AC 48V, 2.5A

Main

Range of product	Modicon Power Supply
Product or component type	Power supply
Power supply type	Regulated switch mode
Nominal 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
Rated power in W	120 W
Output voltage	48 V DC
Power supply output current	2.5 A

Complementary

Input voltage limits	85...264 V AC 100...250 V AC
Input protection type	Integrated fuse (not interchangeable)
Inrush current	30 A
Power factor	0.98 at 48 V DC
Efficiency	85 %
Output voltage adjustment	100...120 % adjustable
Power dissipation in W	25.4 W
Current consumption	1 A 100 V AC 0.6 A 240 V AC
Output protection type	Against overload, protection technology: $1.1 \times I_n$ Against overvoltage, protection technology: tripping if $U > 1.5 \times U_n$ Against short-circuits, protection technology: manual or automatic reset Against undervoltage, protection technology: tripping if $U < 0.8 \times U_n$
Connections - terminals	Screw type terminals: 2 x 0.14...2 x 2.5 mm ² , (AWG 26...AWG 14) for input connection Screw type terminals: 4 x 0.14...4 x 2.5 mm ² , (AWG 26...AWG 14) for output connection Screw type terminals: 1 x 0.14...1 x 2.5 mm ² , (AWG 26...AWG 14) for input ground connection Screw type terminals: 2 x 0.14...2 x 2.5 mm ² , (AWG 26...AWG 14) for output ground connection
Status LED	1 LED (green) output voltage 1 LED (orange) input voltage
Depth	120 mm
Height	120 mm
Width	54 mm
Net weight	1 kg
Output coupling	Series Parallel
Marking	CE
Mounting support	75 x 7.5 mm symmetrical DIN rail 35 x 7.5 mm symmetrical DIN rail 35 x 15 mm symmetrical DIN rail
Operating position	Vertical

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Supply	SELV conforming to IEC 60950-1 SELV conforming to IEC 60204-1 SELV conforming to IEC 60364-4-41
Dielectric strength	3000 V with between input and ground 3000 V with between input and output 500 V with between output and ground 500 V with between outputs


Environment

Standards	UL 508 CSA C22.2 No 60950-1 EN/IEC 62368-1
Product certifications	CSA 22-2 No 950[RETURN]EAC[RETURN]RCM[RETURN]KC[RETURN]JUL 508[RETURN]TÜV
Environmental characteristic	EMC conforming to EN 50081-1 EMC conforming to EN 50082-2 EMC conforming to IEC 61000-6-2 Safety conforming to EN/IEC 60950 Safety conforming to IEC 61496-1-2
Operating altitude	2000 m
IP degree of protection	IP20 conforming to IEC 60529
Ambient air temperature for operation	0...50 °C without derating mounting position A < 2000 m 50...60 °C with derating factor mounting position A < 2000 m

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	6.5 cm
Package 1 Width	13.3 cm
Package 1 Length	14.5 cm
Package 1 Weight	1.076 kg

Offer Sustainability

EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
China RoHS Regulation	 China RoHS Declaration
RoHS exemption information	 Yes
PVC free	Yes

Contractual warranty

Warranty	18 months
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