

Product data sheet

Characteristics

ABL8MEM24003

Regulated Switch Power Supply, Phaseo ABL7
 ABL8, 1 or 2 phase, 100..240V AC, 24V, 0.3A



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 120...250 V DC
Rated power in W	7 W
Output voltage	24 V DC
Power supply output current	0.3 A

Complementary

Input voltage limits	85...264 V AC
Input protection type	Integrated fuse (not interchangeable)
Inrush current	20 A
Power factor	0.5 at 24 V DC
Efficiency	78 %
Output voltage adjustment	22.2...28.8 V adjustable
Power dissipation in W	2 W
Current consumption	0.18 A 240 V AC 0.25 A 100 V AC
Residual ripple	250 mV
Output protection type	Thermal Against short-circuits
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: 2 x 0.14...2 x 2.5 mm ² , (AWG 26...AWG 14) for output connection
Status LED	1 LED (green) output voltage
Depth	59 mm
Height	100 mm
Width	36 mm
Net weight	0.1 kg
Output coupling	Parallel Series
Marking	CE
Mounting support	35 x 7.5 mm symmetrical DIN rail Panel 2 screws, diameter : 4 mm 35 x 15 mm symmetrical DIN rail
Operating position	Vertical
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 output

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Environment

Standards	UL 508 CSA C22.2 No 60950-1 EN/IEC 62368-1
Product certifications	KC[RETURN]TUV 60950-1[RETURN]RCM[RETURN]EAC[RETURN]CCSAus[RETURN]CSA 22-2 No 950[RETURN]CULus 508
Environmental characteristic	EMC conforming to EN 55022 class B EMC conforming to IEC 61000-6-3 EMC conforming to IEC 61000-6-2 EMC conforming to EN/IEC 61204-3 Safety conforming to IEC 60950-1
Operating altitude	2000 m
IP degree of protection	IP20 conforming to IEC 60529
Ambient air temperature for operation	-25...55 °C without derating mounting position A < 2000 m 55...70 °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	5 cm
Package 1 Width	7.4 cm
Package 1 Length	10 cm
Package 1 Weight	134 g

Offer Sustainability

Sustainable offer status	Green Premium product
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
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
PVC free	Yes

Contractual warranty

Warranty	18 months
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