



## Universal power supply

### ABL8RPS24050

URL: <https://www.sxplc.com/universal-power-supply-abl8rps24050>

### Product data sheet

Main	Range of Product	Modicon Power Supply
	Product or Component Type	Power supply
	Power supply type	Regulated switch mode
	Nominal input voltage	100...120 V AC single phase N-L1 200...500 V AC phase to phase L1-L2
	Kw Rating	120 W
	Output voltage	24 V DC
	Power supply output current	5 A
	Permissible temporary current boost	1.5 x In for 4 s)
	Anti-harmonic filter	Low frequency harmonic currents

Complementary	Efficiency at full load	85...132 V AC 170...550 V AC
	Inrush current	30 A
	Power factor	0.51 at 240 V AC 0.59 at 120 V AC
	Efficiency	87 %
	Output voltage adjustment	24...28.8 V adjustable

Power dissipation in W	15.5 W
Provided equipment	Power factor correction filter IEC 61000-3-2
Output protection type	Against overload manual or automatic reset Against overvoltage 30...32 V, manual reset Against short-circuits manual or automatic reset Against undervoltage tripping if $U < 21.6$ V Thermal automatic reset
Connections - terminals	Removable screw terminal block 2 x 2.5 mm <sup>2</sup> , diagnostic Screw type terminals 3 x 0.5...3 x 4 mm <sup>2</sup> , AWG 22...AWG 24 input connection Screw type terminals 1 x 0.5...1 x 4 mm <sup>2</sup> , AWG 22...AWG 24 input ground connection Screw type terminals 4 x 0.5...4 x 4 mm <sup>2</sup> , AWG 22...AWG 24 output connection Screw type terminals 1 x 0.5...1 x 4 mm <sup>2</sup> , AWG 22...AWG 24 output ground connection
Status LED	1 LED (green and red) output voltage 1 LED (green, red and orange) output current
Depth	4.9 in (125 mm)
Height	5.6 in (143 mm)
Width	2.2 in (56 mm)
Net Weight	1.5 lb(US) (0.7 kg)
Output coupling	Parallel Series
marking	CE
Mounting support	35 x 15 mm symmetrical DIN rail 35 x 7.5 mm symmetrical DIN rail
Operating position	Vertical
Supply	SELV IEC 60950-1 SELV IEC 60204-1

	SELV IEC 60364-4-41
Dielectric strength	3500 V with between input and ground 4000 V with between input and output 500 V with between output and ground

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