



## Power supply □ ABL1REM24100

URL: <https://www.sxplc.com/power-supply-abl1rem24100>

### Product data sheet

Main Range of Product	Phaseo Dedicated
Product or Component Type	Power supply
Power supply type	Regulated switch mode
Kw Rating	240 W
Main Input Voltage	100...120 V AC single phase 200...240 V AC single phase 180...370 V DC
Output voltage	24 V DC
Power supply output current	10 A
Operating position	Any position
Vibration resistance	2 gn 9...150 Hz)EN/IEC 61131-2 3.5 mm 5...9 Hz)EN/IEC 61131-2
Name of test	Conducted interference EN 61000-4-8 level 4 Electrostatic discharges EN/IEC 61000-4-2 level 3 Induced electromagnetic field EN/IEC 61000-4-6 level 3 Radiated electromagnetic field EN/IEC 61000-4-3 level 3 Rapid transient IEC 61000-4-4 level 3 Conducted/radiated emissions EN 55022 Class B Conducted/radiated emissions EN/IEC 55011 Emission EN/IEC 61000-6-3

Primary outage IEC 61000-4-11

Surge EN/IEC 61000-4-5

Complementary	Input voltage limits	170...264 V 85...132 V
	Network Frequency	47...63 Hz
	Inrush current	50 A 115 V AC 100 A 230 V AC
	Cos phi	0.65
	Efficiency	80 %
	Power dissipation in W	60 W
	Current consumption	3 A 240 V 6 A 100 V
	Input protection type	Integrated fuse (not interchangeable)
	Output voltage limits	21.6...26.4 V
	Line and load regulation	+/- 3 %
	Holding time	>= 10 ms 100 V >= 40 ms 240 V
	Output protection type	Against overload 1.1...1.5 x In Against overvoltage tripping if U > 1.25 x Un Against short-circuits automatic reset Thermal
	Connections - terminals	Ground connection screw type terminals 1 x 4 mm <sup>2</sup> A Input connection screw type terminals 2 x 4 mm <sup>2</sup> AV Output connection screw type terminals 4 x 4 mm <sup>2</sup> A
	Marking	CE
	Mounting Support	Reversible mounting bracket Panel
Operating altitude	6561.68 ft (2000 m)	

Output coupling	Series Parallel
Overvoltage category	II
Meantime between failure [MTBF]	100000 h 104 °F (40 °C)
Status LED	1 LED (Green) output voltage
Net Weight	1.94 lb(US) (0.88 kg)

Environment	Product Certifications	CSA 22-2 No 60950-1 UL 508 KC EAC cCSAus RCM TUV 60950-1
	Environmental characteristic	EMC EN 50081-1 EMC EN 50082-2 EMC EN 61000-6-3 EMC EN/IEC 61000-6-2 Safety EN/IEC 60950-1 Safety SELV
	IP degree of protection	IP20 conforming to EN/IEC 60950
	Ambient air temperature for operation	32...113 °F (0...45 °C) without derating) 113...140 °F (45...60 °C) with derating factor)
	Ambient Air Temperature for Storage	-13...185 °F (-25...85 °C)
	Relative humidity	20...90 %
	Overvoltage category	Class I VDE 0106-1
	Pollution degree	2
	Dielectric strength	1500 V between input and ground 3000 V between input and output

500 V between output and ground

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