

SOMAT[®]

E-AC/15

15-Volt Power Supply



Special Features

- Provides 15volts DC from a standard 120/240-volt AC input
- Protection for short circuit, overload, over voltage and over temperature
- Power LED indicator
- 3-meter overall cable length

Quick Specs

- Output voltage: 15 V_{DC}
- Input voltage range: 100-240 V_{AC}
- Input frequency: 50/60 Hz
- Supplied AC cables: North America, United Kingdom, Europe and China

Standards

- Safety: UL60601-1, cTUVus, CAN/CSA-22.2 No. 601.1-M90, CB per IEC60601-1, CE marked to LVD
- EMI conduction and radiation: EN55011 (CISPR11), class B FCC Part 15
- Harmonic current: EN61000-3-2, 3, GB17625.1
- EMS immunity: IEC61000-6-1:2005, EN61000-4-2, 3, 4, 5, 6, 8, 11 light industrial level, criteria A

NOTE



The E-AC/15 Power Supply is intended for residential, commercial and light industrial use only.

Detailed Description

The SoMat E-AC/15 Power Supply (1-E-AC/15-2) is designed to provide 15 volts DC from a standard 120-volt AC input to a SoMat eDAQ or eDAQ*lite* system. The E-AC/15 includes three meters of overall cable length, a 15-pin D-sub connector for connection to an eDAQ or eDAQ*lite* and AC cables for North America, United Kingdom, Europe and China.

Specifications

Parameter	Units	Value
Dimensions		
width	cm	6.22
length	cm	19.2
height	cm	3.87
Weight	kg	0.70
Temperature range	°C	0 ... 60 full load to 40 °C, derate linearly to 50% load at 60 °C
Relative humidity range, non-condensing	%	5 ... 95
Output		
DC voltage	V	15
rated current	A	8
rated power	W	120
ripple and noise (maximum)	% pk-pk	< 1
Input		
voltage range	V _{AC}	100 ... 240
frequency	Hz	47, 63
current (rms)	A	< 2
inrush current (at 230 V _{AC} , cold start)	A	< 37
Protection		
over voltage	% output voltage	110 ... 135
over current	% output current	120 ... 180
over temperature		active, recoverable; and passive, non-recoverable
short circuit		shutdown, auto restart (hiccup mode)

Note: Due to supply variability, specifications represent worst case parameters. The shipped supply may be smaller or more powerful than the listed specifications but will not exceed these specifications.



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