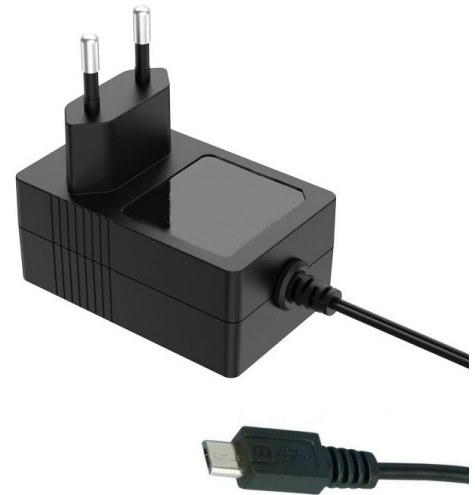# PRO1505W2E-mUSB

▪ premium quality plug type 5 V power supply

FEATURES:
▪ compact design
▪ high power output
▪ premium class design
▪ safe and reliable power source
▪ high efficiency ErP Ecodesign
  and Energy Star Level VI compliance
▪ no load power consumption 90 mW

APPLICATIONS:
▪ consumer electronics
▪ IT/office equipment
▪ general purpose
▪ computer devices
▪ home and building automation
▪ security and monitoring systems
▪ POS, POI equipment
▪ telecommunications equipment

PRO1505W2E-mUSB is a compact and efficient 15-watt wall-mounted style plug type power unit for various types of electronic devices. It is based on high quality electronic components that allow continuous, long-lasting work in all conditions. It is reliable, fully protected and stable. It provides high efficiency and excellent specification.

TECHNICAL SPECIFICATION

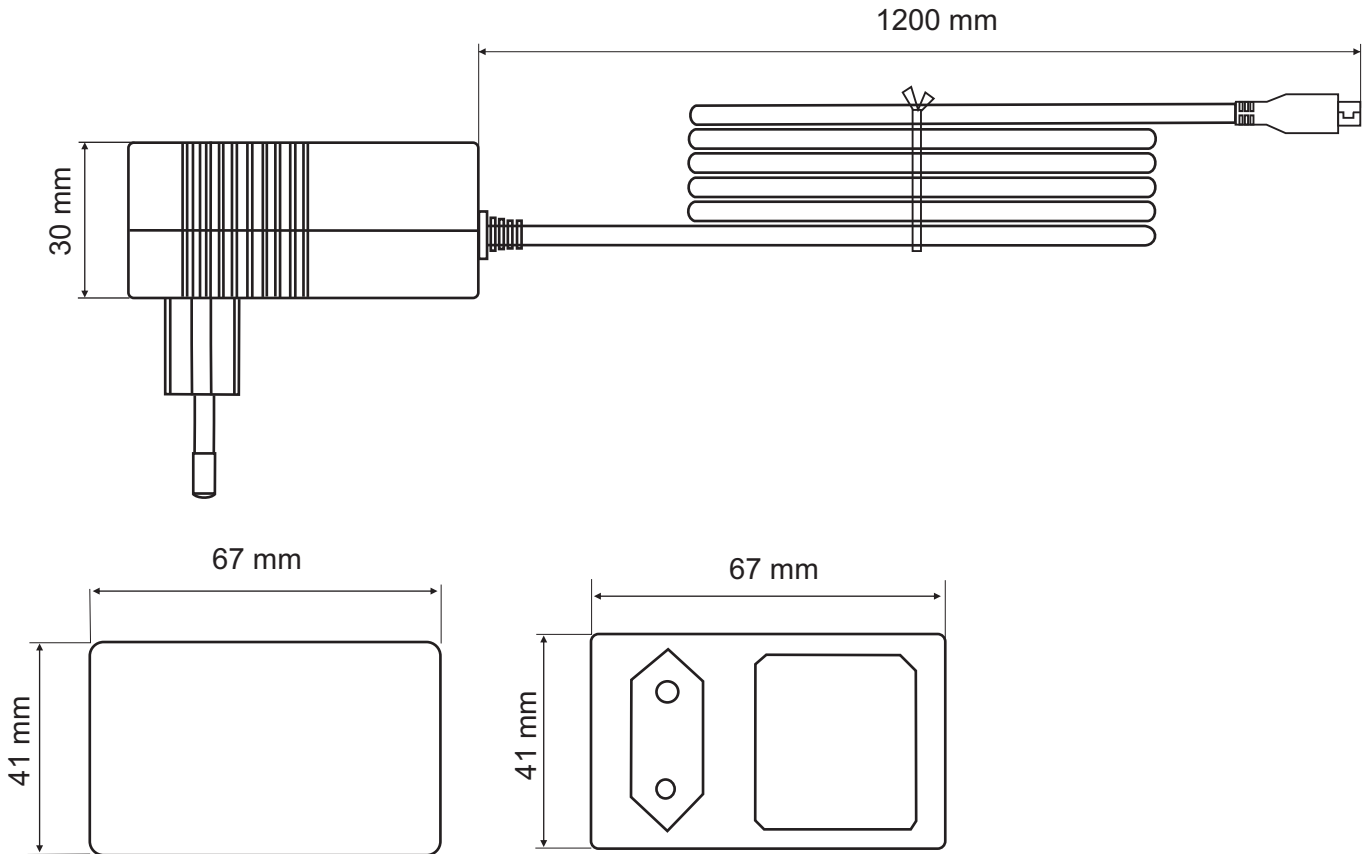| Group	Parameter	Value	Conditions
Input	Rated input voltage	100-240 VAC	
	Input voltage range	90-264 VAC	
	Mains frequency range	47-63 Hz	
	AC current (max.)	0.8 A	At 100 VAC and full load
	Inrush current (max.)	70 A	
	No load power consumption	90 mW	
	Input leakage current (max.)	0.25 mA	At 264 VAC
	Power factor	0.5	
Output	Rated output voltage	5 V	
	Rated output power	15 W	
	Rated output current	3 A	
	Average efficiency	82%	At 230 VAC
	Light load efficiency	80%	At 10% rated load
	Efficiency compliance	Energy Star Level VI, ErP	
	Line regulation	±2%	
	Load regulation	±6%	
	Ripple and noise	150 mVp-p	At 100 VAC
	Minimal output current	No	
	Hold up time (max.)	3 ms	At 100 VAC and full load
	DC voltage rise time (max.)	100 ms	At 100 VAC and full load
	Turn on delay time (max.)	800 ms	
Environmental	Working temperature	-20 to +40℃	
	Working humidity	5% to 95% RH	40℃
	Storage temperature	-40℃ to +85℃	
	Cooling method	Free air circulation	
Protection	Short circuit	Yes	
	Overcurrent	Yes, 120-135%	
	Output overvoltage	Yes	
	Automatic recovery on fault remove	Yes	
Safety and EMC	Withstand isolation voltage	3 kVAC (input to output)	5 mA, 1 min
	Isolation resistance	100 MΩ	500 VDC
	Isolation class	2	
	Safety compliance	EN62368	
	EMC compliance	EN55032 class B EN61000-4	
	Marking	RoHS, CE	
Mechanical and features	Enclosure	Black ABS plastic	
	Size	67 × 41 × 30 mm	L × W × H
	Weight	122 g	
	Output connector	USB micro plug	
	Input connector	EU 2-pole plug	
	Output cable	1.2 m	0.82 mm²
	Single package	85 × 85 × 30 mm	
	Packing	450 × 410 × 280 mm	
	Manufacturing	China	
	Warranty	2 years	

Notes:

Unless otherwise stated, all parameters are specified at 230 VAC input voltage, 50 Hz, ambient temperature 25℃ and relative humidity 70% for rated load output. The values of parameters related to the output voltage regulation is measured from low to high line or for load changes from 0 to 100%, respectively. The power supply is considered as an independent unit, but the final equipment still need to reconfirm that the whole system complies with the EMC directives. If the PSU is installed in the final device as a subassembly, the tests should be repeated to verify that the system has been met compliance. Detailed technical data are available on request.
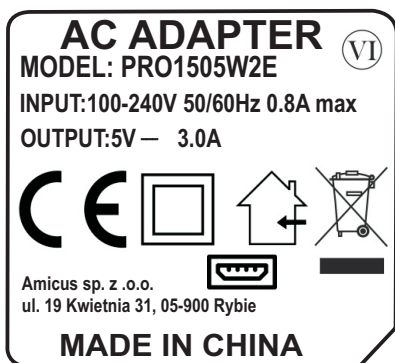
BLOCK DIAGRAM

Input — Short circuit and overvoltage protection → Mains filter → Rectifier → Filter → Converter → Pulse transformer → Rectifier → Output filter → Output

PWM controller ← Circuit protection and voltage regulation

MECHANICAL SPECIFICATION

1200 mm

30 mm

67 mm

41 mm

67 mm

41 mm

PRODUCT LABEL

AC ADAPTER VI
MODEL: PRO1505W2E
INPUT:100-240V 50/60Hz 0.8A max
OUTPUT:5V — 3.0A

CE

Amicus sp. z .o.o.
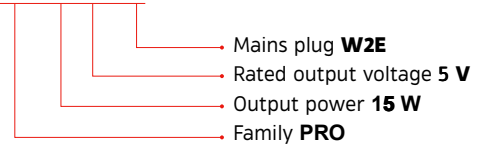ul. 19 Kwietnia 31, 05-900 Rybie

MADE IN CHINA

Legend to the label icons:

▫ – II safety class: no grounding is required, no dangerous voltage even in an emergency situation will appear on output

⌂ – power supply intended for indoor use only

VI – high efficiency and low no load power consumption, meeting the requirements of Energy Star Compliance Level 6 and ErP

⊠ – the product must not be disposed of in normal waste containers

MARKING SYSTEM
PRO1505W2E-mUSB

- Mains plug **W2E**
- Rated output voltage **5 V**
- Output power **15 W**
- Family **PRO**

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