

Features

- Universal input 100-240VAC
- Interchangeable Power Supply
- Approved to UKCA, CE, cULus, TUV, RCM (C-Tick), RoHS & REACH
- UL/IEC/EN 62368-1 Safety Approved
- Meets Efficiency Level VI
- EMC Class B Certified
- Single Output 5-30V DC
- OVP, OCP, OTP & Short Circuit



Ideal Power's 15DYS836-xyW-K 40W AC/DC External Adapter Interchangeable Power Supply (PSU) Series are certified to UKCA, CE, cULus, TUV, RCM (C-Tick), RoHS, REACH & UL/IEC/EN 62368-1 Standards and comply with (EU) 2019/1782, Level VI Efficiency Regulations. These are primarily used in ITE, Audio & Video Industries and customised solutions are available upon request.

Models

Model Number	Output Voltage	Output Current	Output Power
15DYS836-050500W-K	5VDC	5A	25W
15DYS836-075246W-K	7.5VDC	2.46A	32W
15DYS836-090400W-K	9VDC	4A	36W
15DYS836-120333W-K	12VDC	3.33A	40W
15DYS836-150266W-K	15VDC	2.66A	40W
15DYS836-180222W-K	18VDC	2.22A	40W
15DYS836-240166W-K	24VDC	1.66A	40W
15DYS836-300133W-K	30VDC	1.33A	40W

Input Data

	Min	Typical	Max	Units	Notes
Input Voltage	90		264	V AC	100-240VAC +/- 10%
Input Frequency	47		63	Hz	50-60Hz +/- 5%
Input Current		1		A	
Inrush Current	0		60	A	At cold start, 100 / 240V AC
Leakage Current			0.25	mA	

Output Data

	Min	Typical	Max	Units	Notes
Output Voltage	4.7		5.3		
Ripple & Noise					200mVp-p
Over Current Protection		6.5		A	Typically, 115-135% of Rated Current
Short Circuit Protection					Continuous short circuit proof. Will recover if fault condition is removed
Over Voltage Protection					Will recover if fault condition is removed

Environmental Data

	Min	Typical	Max	Units	Notes
Operating Temperature	0		+40	°C	
Storage Temperature	-20		+80	°C	
Operating Humidity	10		90	°C	Operating 10% to 90%
Operating Humidity	5		95	°C	Storage 5% to 95%

Other Information

	Min	Typical	Max	Units	Notes
Isolation					2KVdc, between primary and secondary circuit
MTBF		50,000		hrs	At 25°C, Full load and nominal input condition
Weight					200 +/-10g
Dimensions					Refer to mechanical drawings

EMC Emissions (2014/30/EU)

	Standard	Test Level	Criteria	Notes
Conducted	EN 55032	Pass	B	EMC Directive 2014/30/EU
Radiated	EN 55032	Pass	B	
Harmonic Standard	EN 61000-3-2		Class D	P.F. shall >0.95 @100Vac input and >0.9 @240Vac input

EMC Immunity (2014/30/EU)

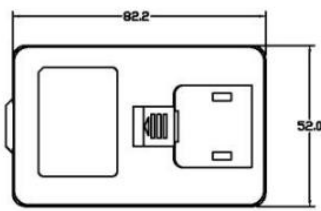
	Standard	Test Level	Criteria	Notes
EMS	EN 55035			
EMS	EN 61204-3			
ESD	IEC 61000-4-2		B	Contact: +/- 4KV; Air: +/- 8KV
EFT	IEC 61000-4-4		A/B	0.5/1.0KV on input AC power ports
Surge	IEC 61000-4-5		A	Line to Line: +/- 1KV (peak); Line to F.G: +/- 2KV (peak)

Safety Approvals

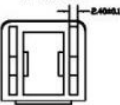
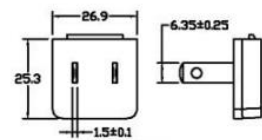
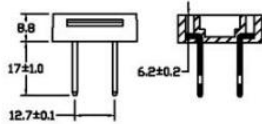
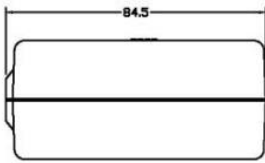
Safety Standards

RoHS/REACH	RoHS Directive (EU) 2015/863 & REACH (205 SVHC)
CE LVD Directive 2014/35/EU	Yes (UK/European) – Only applicable for UK & EURO plugs.
cULus	Yes – Only applicable for US plug.
TUV	Yes (German/European) – Only applicable for EURO plug.
RCM & C-Tick	Yes – Only applicable for Australian plug.

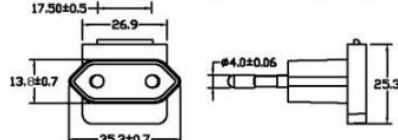
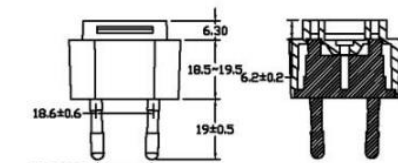
Mechanical Drawing



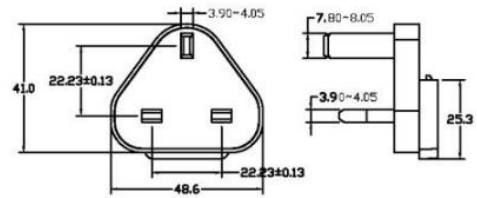
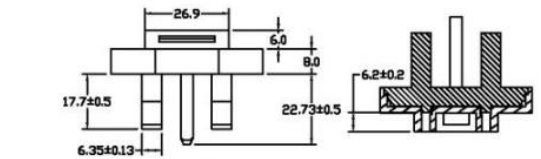
CASE



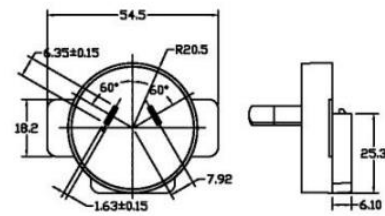
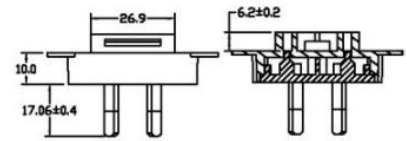
US PIN



EU PIN



UK PIN



AU PIN

AC – DC

Mechanical Drawing (Cord)

