

Features

Universal input 100-240VAC

Approved to UKCA, CE, cULus,
RCM (C-Tick) RoHS & REACH

EN/IEC 62368-1 Safety
Approved

Meets Efficiency Level VI

FCC Class B Certified

Single Output 5-24V DC

OVP, OCP, OTP & Short
Circuit

**QR
Code**

Ideal Power Will Do This

25HK-AW-xAz-CP Series

15W Interchangeable AC/DC Plugtop Adapter Power Supply



The 25HK-AW-xAz-CP Series is a high-performance 15W Interchangeable AC/DC Plugtop Adapter Power Supply. Designed for use in applications such as digital signage, displays and user interfaces. This series is supplied with a Interchangeable input connection and supports input voltages of 90~264V AC 47~63Hz.

Models

Model	Voltage (V)	Output	
		Current (A)	Power (W)
25HK-AW-050A250-CP	5V DC	2.5A	12.5W
25HK-AW-090A167-CP	9V DC	1.67A	15W
25HK-AW-120A125-CP	12V DC	1.25A	15W
25HK-AW-150A100-CP	15V DC	1A	15W
25HK-AW-240A063-CP	24V DC	0.63A	15W
25HK-AW-050A250-CP	5V DC	2.5A	12.5W

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	--	0.4	-	A	
Inrush Current	0	--	50	A	At cold start, 100 / 240V AC
Leakage Current	--	--	0.25	mA	

Output Data

	Min	Typical	Max	Units	Notes
Output Voltage	--	5	--	%	
Ripple & Noise	--	--	200	mV	
Over Current Protection					Overload conditions shall decrease the output voltage.
Short Circuit Protection					Auto Recovery
Over Voltage Protection					Will recover if fault condition is removed

Protection

Input Protection	The switching power supply has a 2 Amps inner current fuse to protect itself.
Output Current Protection	Overload conditions shall decrease the output voltage. Removal of an output overload shall provide automatic recovery for the output voltage.
Short Circuit Protection	Auto Recovery.

Environmental Data

	Min	Typical	Max	Units	Notes
Operating Temperature	0		40	°C	
Storage Temperature	-20		+70	°C	
Operating Humidity	10		95	%	Operating 10% to 90%
Storage Humidity	10		95	%	Storage 5% to 95%

Other Information

	Min	Typical	Max	Units	Notes
Isolation	--	--	--		AC 3KV, 2 second, 4mA, Max primary to secondary/case.
MTBF	--	50,000	--	hrs	
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	
Voltage fluctuation	EN 6100-3-3	Pass		Voltage fluctuations & Flicker

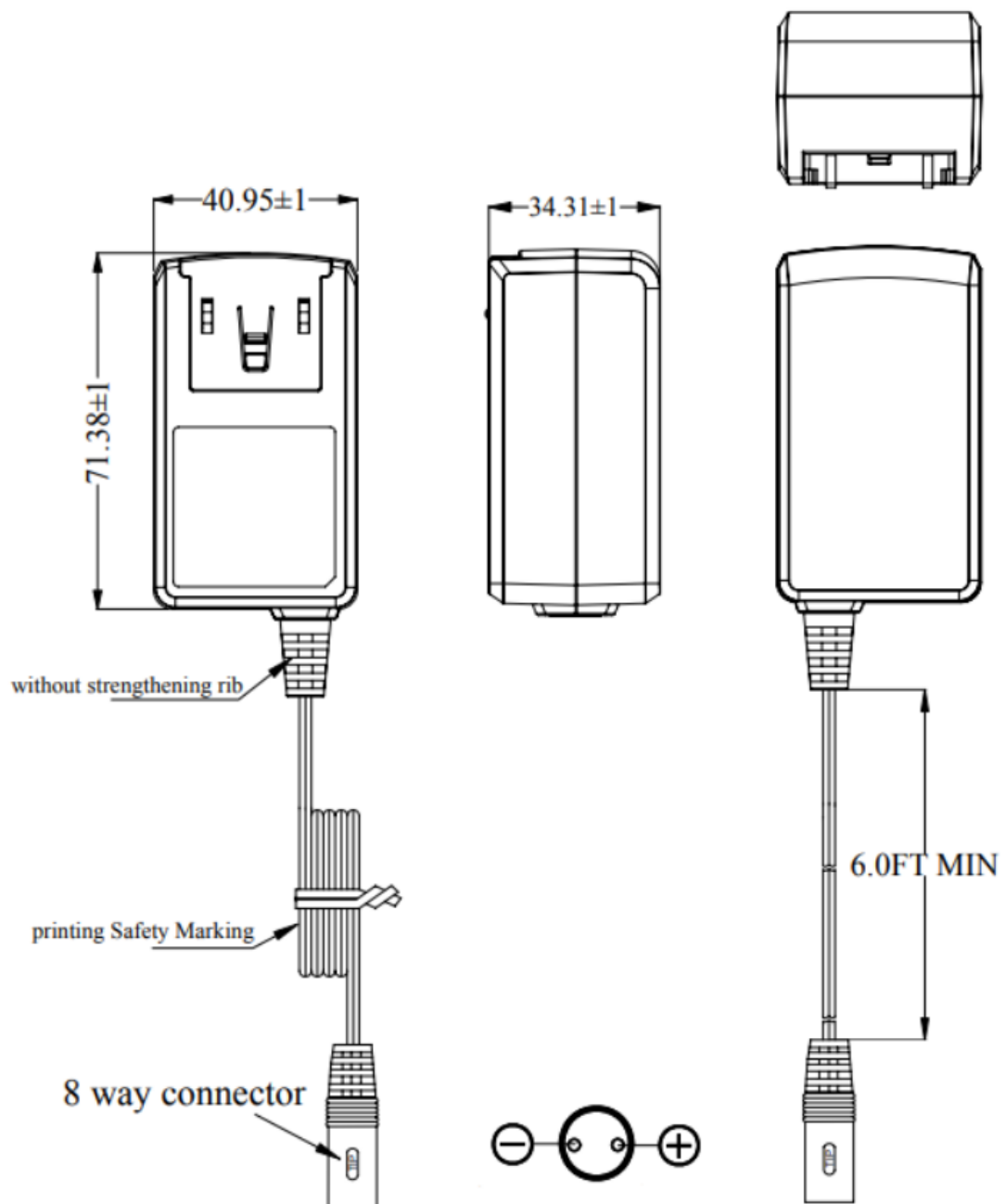
EMC Immunity (2014/30/EU)

	Standard	Test Level	Criteria	Notes
ESD	IEC 61000-4-2	Pass		Contact: +/- 4KV; Air: +/- 8KV
RS	IEC 61000-4-3			Frequency: 80-1000MHz. Field Strength: 3V/M ' 80% AM (1KHz)
EFT	IEC 61000-4-4			0.5/1.0KV on input AC power ports
Surge	IEC 61000-4-5			Line to Line: +/- 1KV (peak); Line to F.G: +/- 2KV (peak)
Conducted	IEC 61000-4-6			CS: 0.15~ 80MHz, 3Vrm, 80% AM, 1kHz
PFMF	IEC 61000-4-8			50 Hz or 60Hz, 1A/m
Dips and Interruptions	IEC 61000-4-11			V/D: >95% reduction for 0.5 period VI:>95% reduction for 250 period.

Safety Approvals

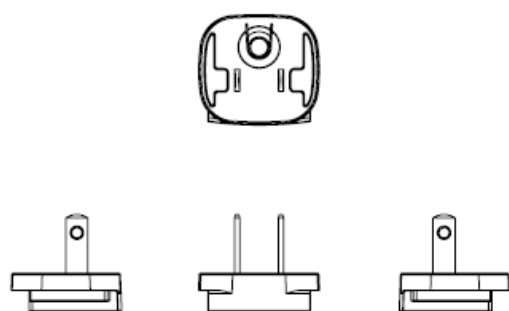
	Safety Standards
Approvals	FCC PART 15 Class B AS/NZS CISPR 32: 2015 EN 55032: 2015, Class B CISPR 32: 2012 (Ed 2.0) EN 61000-3-2: 2014 EN 61000-3-3: 2013 IEC 61000-4-2: 2008 IEC 61000-4-3: 2006 +A1: 2007 +A2: 2010 IEC 61000-4-4: 2012 IEC 61000-4-5: 2014 IEC 61000-4-6: 2013 IEC 61000-4-8: 2009 IEC 61000-4-11: 2004 +A1: 2017
Certifications	UKCA, CE, TUV-GS, cULus, RCM (C-Tick), FCC, RoHS

Mechanical Drawing

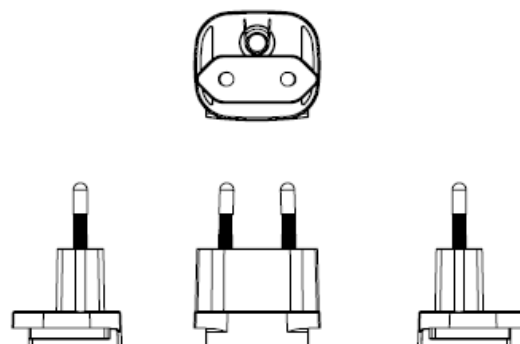


Plug Drawing

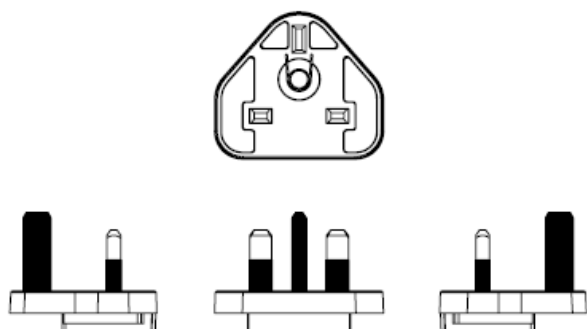
UNIT: mm



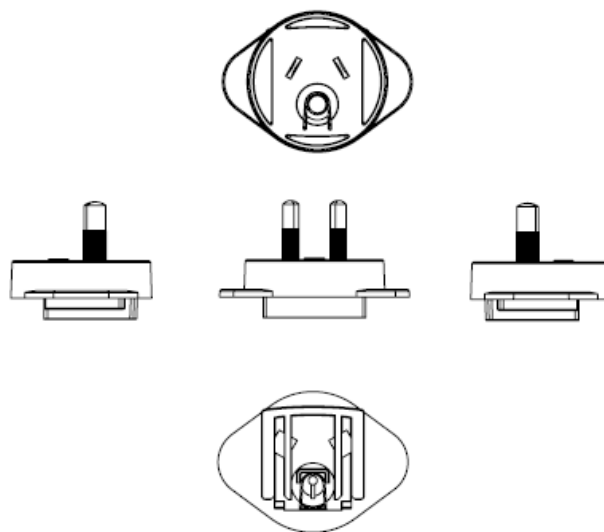
UL



TUV

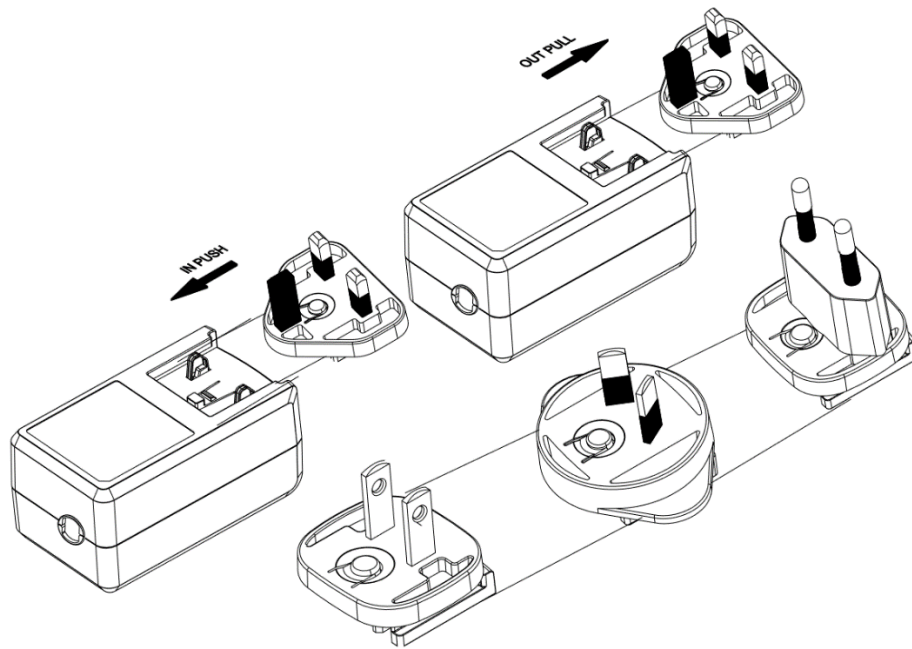


UK



SAA

Mechanical Drawing (Continued)



Mechanical Drawing (Continued)

