

SERIES: YHY-WL36EU | DESCRIPTION: AC-DC POWER ADAPTER



FEATURES

- 36W power
- Universal input (100~240 Vac)
- Single regulated outputs
- Over voltage and short circuit protections
- Custom designs available
- Certified to 62368-1 standards

APPLICATIONS

- Audio Equipment
- Office Equipment
- Energy Storage
- Massage Devices
- Sports Equipment
- Supermarket Applications

Part Number	Model	Output Voltage (Vdc)	Output Current (Amp)	Output Power (Watt)	Ripple & Noise (mVp-p)
WLXXXXYYAA-BB-NN (Notes As below)	YHY-05004000	5	4	20	100
	YHY-06004000	6	4	24	100
	YHY-07504000	7.5	4	30	100
	YHY-09004000	9	4	36	100
	YHY-12003000	12	3	36	120
	YHY-15002400	15	2.4	36	150
	YHY-18002000	18	2	36	200
	YHY-20001800	20	1.8	36	200
	YHY-24001500	24	1.5	36	240
	YHY-30001200	30	1.2	36	300

Notes: 1. At full load, nominal input 100-240Vac, 20 MHz bandwidth oscilloscope, each output terminated with 0.1 μ F multilayer ceramic and 10 μ F low ESR electrolytic capacitors.

PART NUMBER

WLXXXYYYAA-BB-NN

XXX:

Output Voltage

12Vdc=120

YYY:

Power

36W=036

AA:

Input Inlet UK/EU/US/AU...

BB:

DC Connector

Barrel=N/A

4Pin=4P

NN:

A/E/H/S/D/XW...

INPUT

Paramater	Description	Min.	Typ	Max.	Units
Input Voltage		90		264	Vac
Rated Voltage		100		240	Vac
Input Frequency		47		63	Hz
Rated Frequency		50		60	Hz
Current				0.75	A
Inrush Current	110Vac 60Hz, Full load, 25°C			40	A
	220Vac 50Hz, Full load, 25°C			80	A
Leakage Current	110Vac / 220Vac			0.05	mA
No Load Power Consumption	110Vac / 220Vac			0.1	W
Fuse		3.5			A

OUTPUT

Paramater	Description	Min.	Typ	Max.	Units
Regulation		±5			%

PROTECTION

Paramater	Description	Min.	Typ	Max.	Units
Over Voltage Protection	Output Shut Down				%

Over Current Protation	Output Shut Down, Auto Recovery	%
Short Circuit Protation	Output Shut Down, Auto Recovery	%

SAFETY & COMPLIANCE

Paramater	Description	Min.	Typ	Max.	Units
Isolation Voltage	Power Supply of Class II, primary to secondary, 3s		3000		Vac
Isolation Resistance	500Vdc between Primary Live, Primary Neutral and secondary.	10			MΩ
EMI/EMC	FCC Part 15B Class B, CE				
MTBF	25℃	50,000			Hrs
RoHs	YES				

ENVIRONMENT

Paramater	Description	Min.	Typ	Max.	Units
Operating temperature	Full load, Normal operation	0		40	℃
Storage temperature	With package	-40		85	℃
Operating humidity	Full load , Normal operating	5		95	%
Storage humidity	Non-condensing	10		90	%

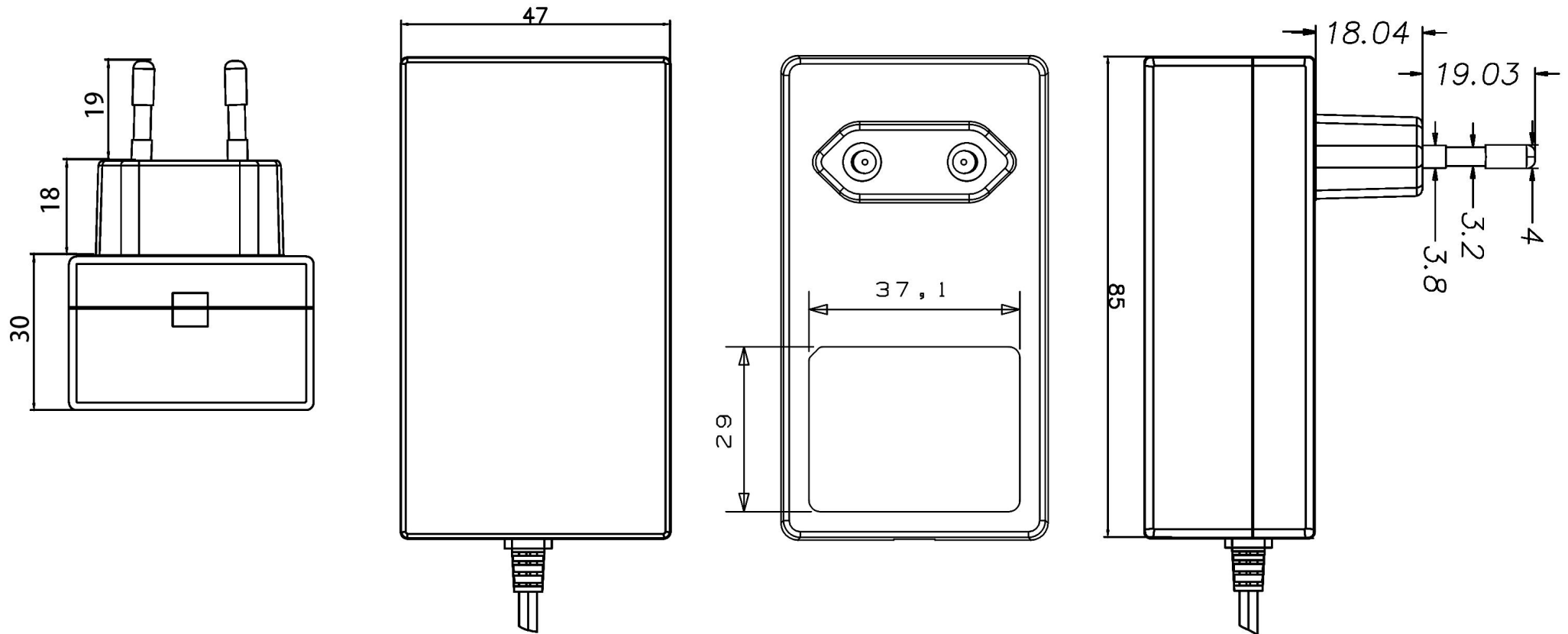
MECHANICAL

Paramater	Description	Min.	Typ	Max.	Units
Dimension	85 x 47 x 67				mm
Inlet AC Connector	European(EU)				
Weight					g

MECHANICAL DRAWING

Unit: mm

Tolerance: ± 0.2



DC CABLE

Unit: mm

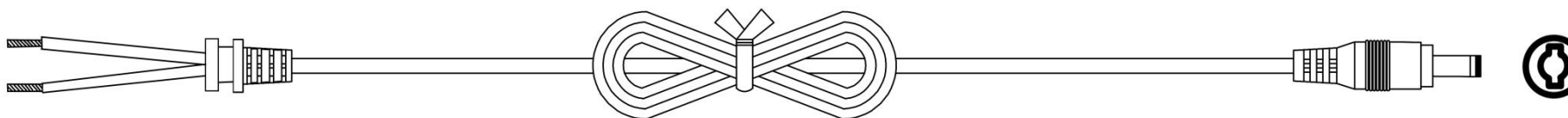


Table 1

Cable	Length
UL2464, 22AWG	1200mm±30
UL2468, 22AWG	1200mm±30
UL1185, 22AWG	1200mm±30

DC CONNECTOR

Plug Polarity
P= Center Positive



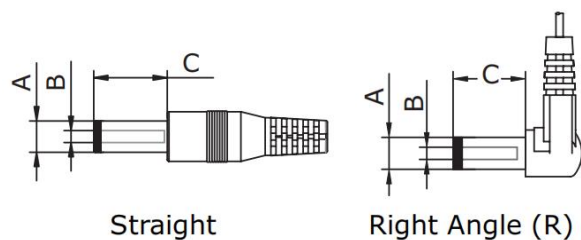
N= Center Negative



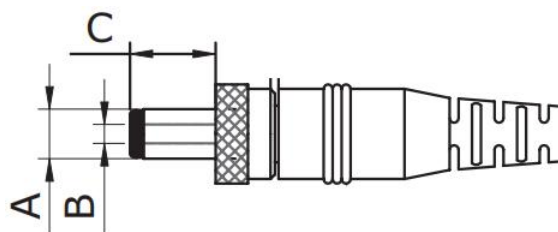
Plug Polarity		Type	Dimensions (mm)			Plug Angle	
Center Pos.	Center Neg.		A	B	C	Straight	Right
■	■	Barrel	5.5	2.1	10	■	■
■	■		5.5	2.5	10	■	■
■	■		6.5	3.0	10	■	N/A
■	■		4.75	1.7	10	■	N/A
■	■		4.0	1.7	10	■	■
■	■		3.5	1.35	10	■	■

■	■		3.5	1.0	10	■	■
■	■		5.5	2.1	9.5	■	N/A
■	■	Locking	5.5	2.5	9.5	■	N/A
N/A	N/A	Audio	3.5		14	■	N/A
N/A	N/A	XLR		2P 3P 4P 5P		■	N/A
N/A	N/A	Aviation Connector		GX12: 2P 3P 4P 5P		■	N/A
N/A	N/A	Din		3Pin 4Pin		■	N/A
N/A	N/A	USB		USB Type C		■	N/A
N/A	N/A			Male		■	N/A
N/A	N/A	Cigarette Lighter		Female		■	N/A
N/A	N/A		Stipped & Tinned			N/A	N/A

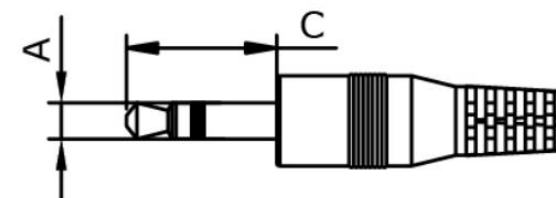
Barrel



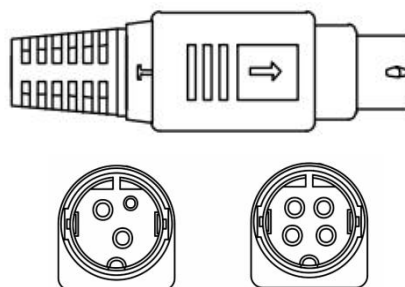
Locking



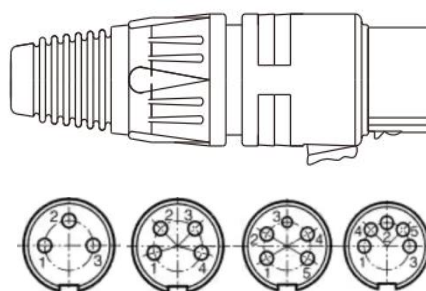
Audio



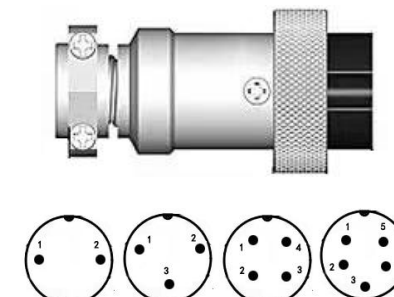
Din



XLR



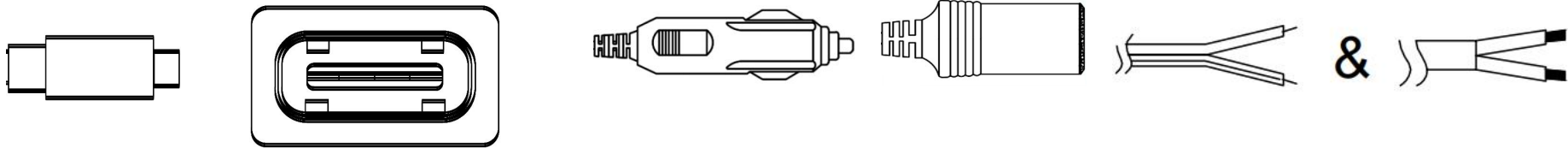
Aviation Connector



USB Type C

Cigarette Lighter

Stripped & Tinned



REVISION HISTORY

REV.	Description	Date
1.0	Initial release	2025-7-4



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