

SERIES: YHY-WL24CB | DESCRIPTION: AC-DC POWER ADAPTER



FEATURES

- Level VI efficiency
- 24W 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)	Efficiency Level
WLXXXXYYAA-BB-NN (Notes As below)	YHY-05003000	5	3	15	100	VI
	YHY-06003000	6	3	24	100	VI
	YHY-07503000	7.5	3	24	100	VI
	YHY-09002670	9	2.67	24	100	VI
	YHY-12002000	12	2	24	120	VI
	YHY-15001600	15	1.6	24	150	VI
	YHY-18001330	18	1.33	24	200	VI
	YHY-20001200	20	1.2	24	200	VI
	YHY-24001000	24	1	24	240	VI
	YHY-30000800	30	0.8	24	300	VI

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

DSXXXYYYAA-BB-NN

XXX:	YYY:	AA:	BB:	NN:
Output Voltage	Power	Input Inlet UK/EU/US/AU...	DC Connector	A/E/H/S/D/XW...
9Vdc=090	24W=024	Interchangeable=CB	Barrel=N/A 4Pin=4P	

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			0.21	W
Fuse		3.5			A

OUTPUT

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

PROTECTION

Paramater	Description	Min.	Typ	Max.	Units
Over Voltage Protation	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 I, primary to secondary (AC input grounding connection with the DC output negative terminal) ,3s		1500		Vac
	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	71.4 x 43.3 x 36				mm
Inlet AC Connector	Interchangeable				

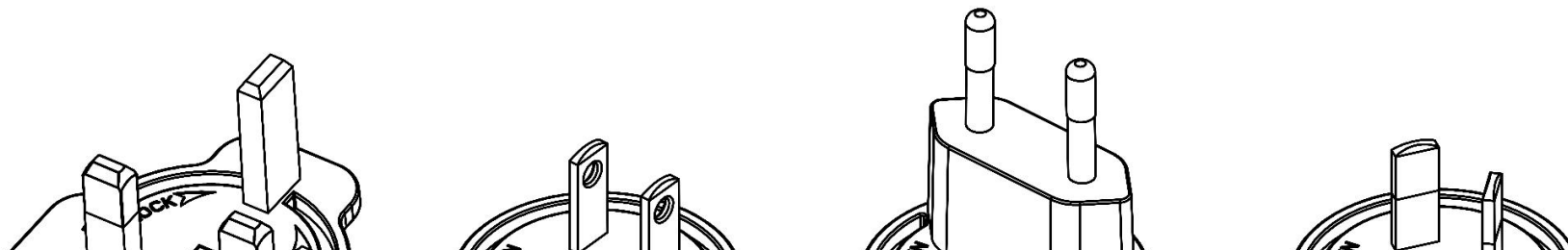
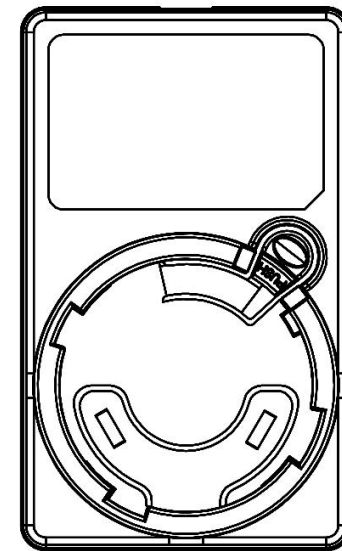
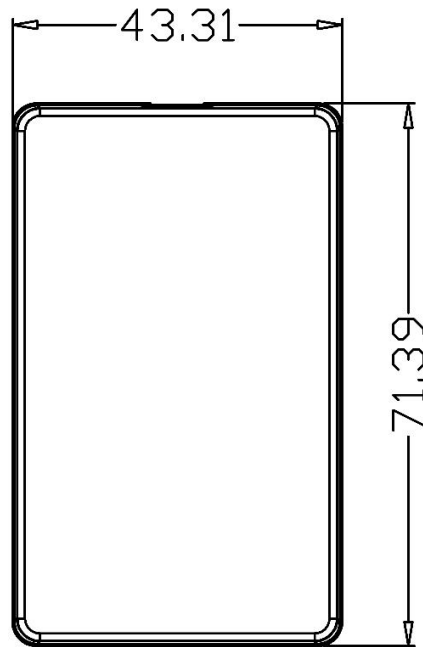
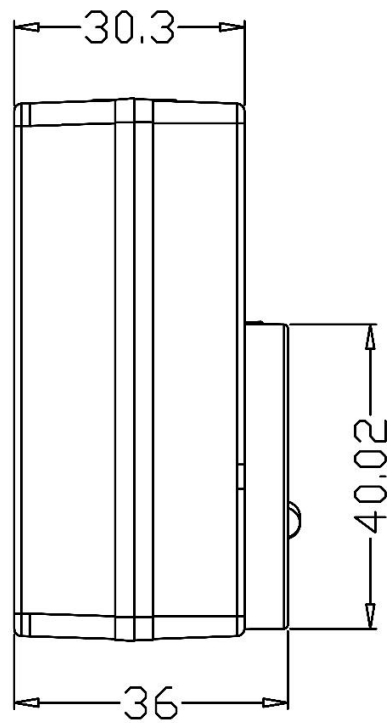
Weight

g

MECHANICAL DRAWING

Unit: mm

Tolerance: ± 0.2



DC CABLE

Unit: mm

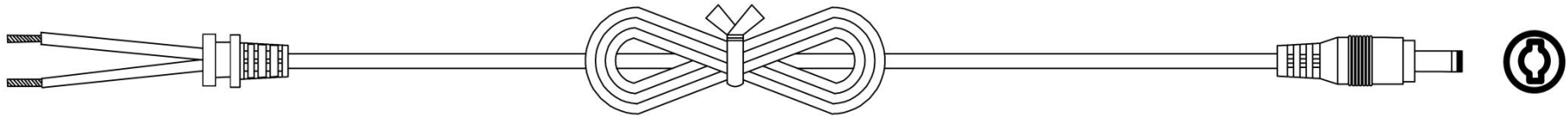


Table 1

Cable	Length
UL2464, 22AWG	1200mm $\pm$ 30
UL2468, 22AWG	1200mm $\pm$ 30
UL1185, 22AWG	1200mm $\pm$ 30

DC CONNECTOR

Plug Polarity

P= Center Positive



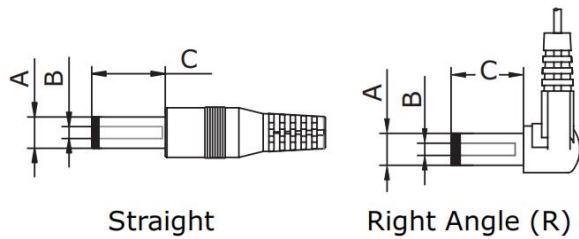
N= Center Negative



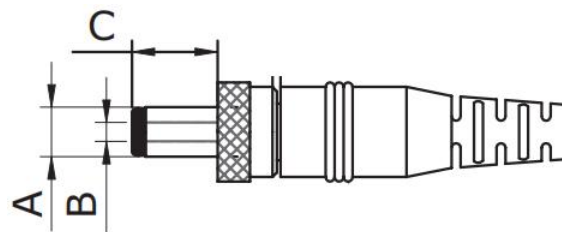
Plug Polarity		Type	Dimensions (mm)			Plug Angle	
Center Pos.	Center Neg.		A	B	C	Straight	Right
■	■	Barrel	5.5	2.1	10	■	■
■	■		5.5	2.5	10	■	■
■	■		6.5	3.0	10	■	N/A
■	■		4.75	1.7	10	■	N/A
■	■		4.0	1.7	10	■	■
■	■		3.5	1.35	10	■	■
■	■		3.5	1.0	10	■	■
■	■	Locking	5.5	2.1	9.5	■	N/A

■	■		5.5	2.5	9.5	■	N/A
N/A	N/A	Audio	3.5		14	■	N/A
N/A	N/A	Din		3Pin 4Pin		■	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	USB		USB Type C		■	N/A
N/A	N/A	Cigarette Lighter		Male		■	N/A
N/A	N/A			Female		■	N/A
N/A	N/A		Stipped & Tinned			N/A	N/A

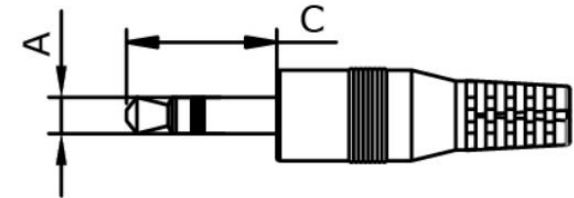
Barrel



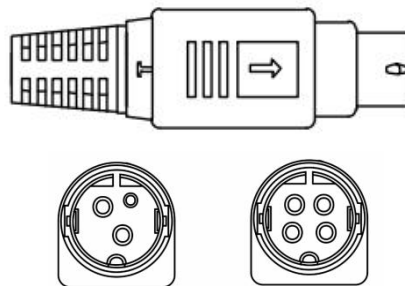
Locking



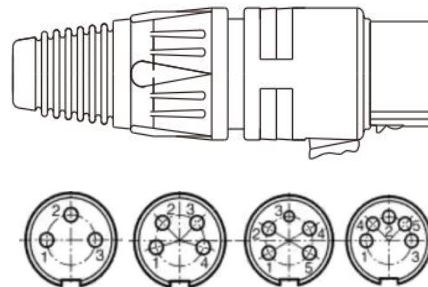
Audio



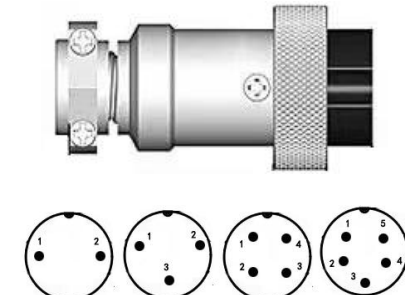
Din



XLR



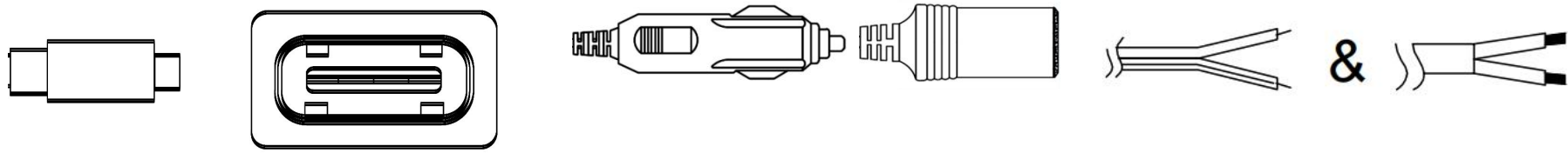
Aviation Connector



USB Type C

Cigarette Lighter

Stripped & Tinned



REVISION HISTORY

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



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