SERIES: SMM36 | **DESCRIPTION:** AC-DC POWER SUPPLY

FEATURES

- up to 36 W continuous power
- meets DoE Level VI, CoC Tier 2, and EU 2019/1782 efficiency
- universal input (100~240 Vac)
- over voltage, over current, and short circuit protections
- interchangeable AC blades for global use
- UL/CUL, CE and UKCA safety approvals
- certified to IEC, EN 60601-1
- custom designs available



MODEL	output voltage (Vdc)	output current max (A)	output power max (W)	ripple and noise[1] max (mVp-p)	efficiency level
SMM36-5	5	5	25	80	VI
SMM36-9	9	4	36	90	VI
SMM36-12	12	3	36	120	VI
SMM36-15	15	2.4	36	150	VI
SMM36-24	24	1.5	36	240	VI

Notes: 1. At full load, 100~240 Vac input, 20 MHz bandwidth oscilloscope, output terminated with a 0.1 µF ceramic and a 47 µF electrolytic capacitor.

PART NUMBER KEY

SMM36 - XX - XX - XXX - CXX

- **SMM36** — Base Number
- **XX** — Output Voltage
- **XX** — Blades:
  - 4 = North America, Europe, Australia and United Kingdom blades included
  - V = North America, Europe, United Kingdom, Australia and China blades included
  - N = North America blade included
  - E = Europe blade included
  - B = United Kingdom blade included
  - A = Australia blade included
  - C = China blade included
  - K = No blades included
- **XXX** — Case Color:
  - "blank" = black
  - W = white
- **CXX** — DC Plug Type:
  - XXX = See output plug options on page 4 for more details
- Reserved for Custom Configurations

Please read our datasheet & drawing disclaimer here.

INPUT

parameter	conditions/description	min	typ	max	units
voltage		90	100~240	264	Vac
frequency		47	50~60	63	Hz
current	at 115 Vac, full load at 230 Vac, full load			1 0.4	A A
inrush current	at 230 Vac, cold start, full load			70	A
leakage current	264 Vac/60 Hz			0.1	mA
no load power consumption	at 115/230 Vac, 60/50 Hz			0.1	W

OUTPUT

parameter	conditions/description	min	typ	max	units
load regulation	5V output model all other output models			±6 ±5	% %

PROTECTIONS

parameter	conditions/description	min	typ	max	units
over voltage protection	auto recovery 5V output model 9V output model 12V output model 15V output model 24V output model			 12 18 22 27 45	 V V V V V
over current protection	auto recovery 5V output model 9V output model 12V output model 15V output model 24V output model			 10 8 6 4.8 3	 A A A A A
short circuit protection	auto recovery				

SAFETY & COMPLIANCE

parameter	conditions/description	min	typ	max	units
isolation voltage	input to output, for 1 minute, 10 mA max		4,000		Vac
safety approvals	certified to 60601-1: IEC, EN cUL/UL, UKCA				
EMI/EMC	CE / FCC (conduction & radiation Class B)				
MTBF	as per Telcordia SR-322, at 25°C	300,000			hours
RoHS	yes				

ENVIRONMENTAL

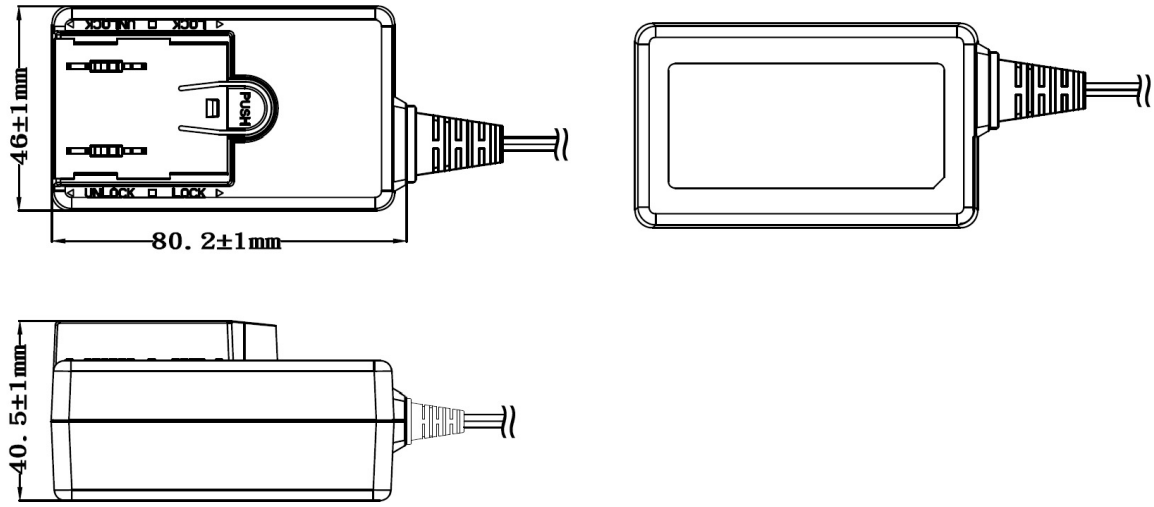
parameter	conditions/description	min	typ	max	units
operating temperature		-20		40	°C
storage temperature		-20		80	°C
operating humidity	non-condensing	20		80	%
storage humidity	non-condensing	10		90	%

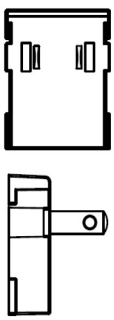
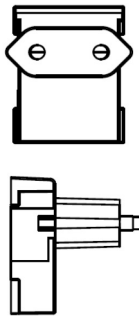
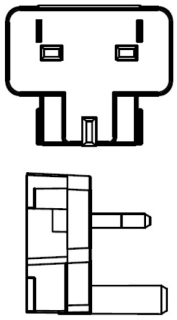
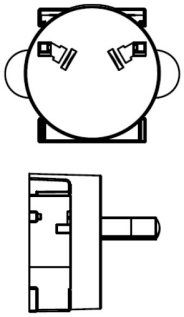
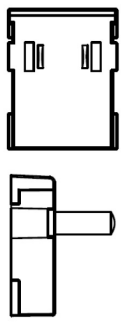
MECHANICAL

parameter	conditions/description	min	typ	max	units
dimensions	80.2 x 46.0 x 40.5				mm
inlet plug	interchangeable blades (North America, Europe, United Kingdom, Australia, China)				
ac blade clip type	sliding clip				
weight			135		g

MECHANICAL DRAWING

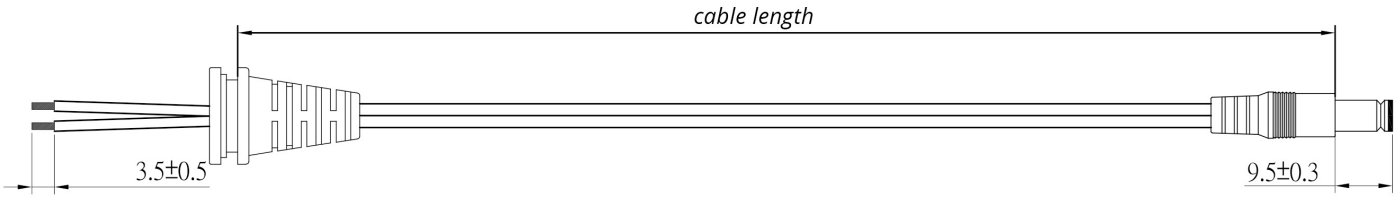
units: mm
tolerance: ±1 mm



INTERCHANGEABLE BLADES					
BLADE DESIGNATOR	N	E	B	A	C
REGION	North America	Europe	UK	AU	China
BLADE ACCESSORY	SMI-US-10	SMI-EU-10	SMI-UK-510	SMI-AU-10	SMI-CN-10
BLADE					

DC CORD

units: mm



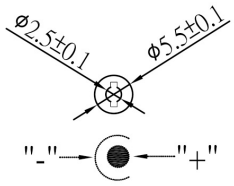


Table 1

MODEL NO.	CABLE	CORD LENGTH
SMM36-5	UL 2468, 16 AWG	1,000 mm ±30
SMM36-9	UL 2468, 16 AWG	1,000 mm ±30
SMM36-12	UL 2468, 18 AWG	1,500 mm ±30
SMM36-15	UL 2468, 18 AWG	1,500 mm ±30
SMM36-24	UL 2468, 20 AWG	1,500 mm ±30

DC PLUG TYPE PART NUMBER KEY

X X X

Plug Polarity:
P = Center Positive



N = Center Negative



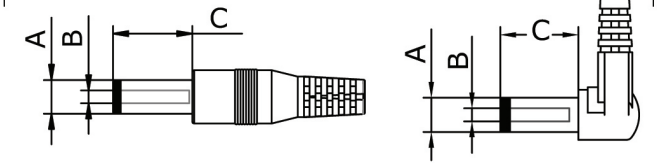
Plug Code:
X = Choose a code from the options below

Plug Angle:
"blank" = Straight
R = Right Angle

Plug Polarity		Code		Dimensions (mm)			Plug Angle	
Center Pos.	Center Neg.	Option	Type	A	B	C	Straight	Right
•	•	5	Standard	5.5	2.1	9.5	•	•
•	•	6	Standard	5.5	2.5	9.5	•	•
•	•	7	Standard	3.5	1.35	9.5	•	•
•	•	10	Locking[2]	5.5	2.1	9.5	•	N/A
•	•	11	Locking[2]	5.5	2.5	9.5	•	N/A
•	•	12	EIAJ-1	2.35	0.7	9.5	•	•
•	•	13	EIAJ-2	4.0	1.7	9.5	•	•
•	•	14	EIAJ-3	4.75	1.7	9.5	•	•

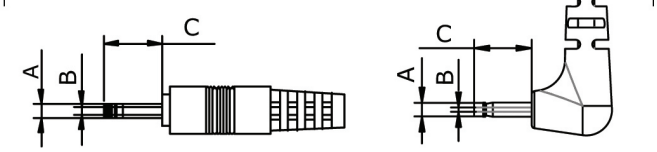
Note: 1. Contact Bel for additional plug options
2. Maximum insertion depth is 10mm

Standard



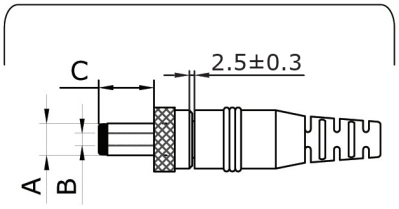
Straight Right Angle (R)

EIAJ



Straight Right Angle (R)

Locking



REVISION HISTORY

rev.	description	date
1.0	initial release	09/17/2026

The revision history provided is for informational purposes only and is believed to be accurate.

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This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

CUI offers a one (1) year limited warranty. Complete warranty information is listed on our website.

CUI reserves the right to make changes to the product at any time without notice. Information provided by CUI is believed to be accurate and reliable. However, no responsibility is assumed by CUI for its use, nor for any infringements of patents or other rights of third parties which may result from its use.

CUI products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.