

UL TEST REPORT AND PROCEDURE

Standard:	UL 60950-1, 2nd Edition, 2014-10-14 (Information Technology Equipment - Safety - Part 1: General Requirements) CAN/CSA C22.2 No. 60950-1-07, 2nd Edition, 2014-10 (Information Technology Equipment - Safety - Part 1: General Requirements)
Certification Type:	Listing
CCN:	QQGQ, QQGQ7 (Power Supplies for Information Technology Equipment Including Electrical Business Equipment)
Product:	ITE Power Supply
Model:	GT-86121-WWVV-W2, (WW is the standard output wattage, with a maximum value of "12" VV is the standard rated output voltage designation, can be "04.2" to "24" or "4.2" to "24.0" with interval of 0.1. -W2 can be optional, when it is blank, denote to be with replaceable plug)
Rating:	Input: 100-240Vac or 100-120Vac or 200-240Vac, 50/60Hz, 0.5A(for model GT-86121-WWVV-W2). 100-240Vac, 50/60Hz, 0.5A(for model GT-86121-WWVV) Output: see enclosure 7-03 model list for details.
Applicant Name and Address:	GLOBTEK (HONG KONG) LTD UNIT 1402, BENSON TOWER 74 HUNG TO RD KWUN TONG KOWLOON HONG KONG

This is to certify that representative samples of the products covered by this Test Report have been investigated in accordance with the above referenced Standards. The products have been found to comply with the requirements covering the category and the products are judged to be eligible for Follow-Up Service under the indicated Test Procedure. The manufacturer is authorized to use the UL Mark on such products which comply with this Test Report and any other applicable requirements of UL LLC ('UL') in accordance with the Follow-Up Service Agreement. Only those products which properly bear the UL Mark are considered as being covered by UL's Follow-Up Service under the indicated Test Procedure.

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Prepared by: Angela Au

Reviewed by: Brian Wong

Supporting Documentation

The following documents located at the beginning of this Procedure supplement the requirements of this Test Report:

- A. Authorization - The Authorization page may include additional Factory Identification Code markings.
- B. Generic Inspection Instructions -
 - i. Part AC details important information which may be applicable to products covered by this Procedure. Products described in this Test Report must comply with any applicable items listed unless otherwise stated in the body of this Test Report.
 - ii. Part AE details any requirements which may be applicable to all products covered by this Procedure. Products described in this Test Report must comply with any applicable items listed unless otherwise stated in the body of each Test Report.
 - iii. Part AF details the requirements for the UL Certification Mark which is not controlled by the technical standard used to investigate these products. Products are permitted to bear only the Certification Mark(s) corresponding to the countries for which it is certified, as indicated in each Test Report.

Product Description

The product is a Class II Switching Adapter(direct plug-in type with fixed plug or detachable plug) used in information technology equipment, all electronic components are mounted on PWB and housed in a plastics enclosure which secured by ultrasonic welding.

Model Differences

All models are identical except for output rating, plug type, enclosure drawing, transformer secondary winding and secondary PCB layout. See enclosure 7-03 model list for details.
There are two current fuses and fuse resistor (F1 & F2), one varistors (MOV1) within equipment. The configuration for them are below:

Configuration	F1	F2	MOV1
Combination 1	3.3ohm	Jumper	Optional
Combination 2	2.0A	Jumper	Optional
Combination 3	6.3A	3.3ohm	Optional
Combination 4	6.3A	6.8ohm	Optional
Combination 5	6.3A	10.0ohm	Optional
Combination 6	Jumper	2.0A	Without
Combination 7	Jumper	3.3ohm	Without
Combination 8	Jumper	6.8ohm	Without
Combination 9	Jumper	10.0ohm	Without
Combination 10	6.8ohm	Jumper	Optional

Technical Considerations

- Equipment mobility : direct plug-in
- Connection to the mains : pluggable A
- Operating condition : continuous
- Access location : operator accessible
- Over voltage category (OVC) : OVC II
- Mains supply tolerance (%) or absolute mains supply values : +10%, -10% (Manufacturer declared)
- Tested for IT power systems : No
- IT testing, phase-phase voltage (V) : N/A

- Class of equipment : Class II (double insulated)
- Considered current rating of protective device as part of the building installation (A) : 20A
- Pollution degree (PD) : PD 2
- IP protection class : IP X0
- Altitude of operation (m) : up to 5000m
- Altitude of test laboratory (m) : below 2000m
- Mass of equipment (kg) : For model GT-86121-WWVV-W2: 0.08Kg; For model GT-86121-WWVV: 0.087Kg
- The product was submitted and evaluated for use at the maximum ambient temperature (Tma) permitted by the manufacturer's specification of: 50 degree C.
- The means of connection to the mains supply is: Pluggable A (DPIU)
- The product is intended for use on the following power systems: TN
- The equipment disconnect device is considered to be: Plug
- The product was investigated to the following additional standards: (1) The blade configuration had been evaluated and found compliant with Standard for Wiring Devices-Dimensional Specifications, ANSI/NEMA WD 6. (2) Direct Plug-in Equipment comply with UL1310 mechanical assembly requirements.
- The following accessible locations (with circuit/schematic designation) are within a limited current circuit: CY1 secondary pin
- The following circuit locations (with circuit/schematic designation) were investigated as a limited power source (LPS): Output terminal.
- The following are available from the Applicant upon request: Installation (Safety) Instructions / Manual
- This equipment has evaluated to be operated under altitude up to 5,000m, so the clearance is multiplied by the altitude correction factor(1.48), specified in table A.2 of IEC 60664-1.

Additional Information

Revision: 4787988900

USL/CNL - Copy the E135856-A179, Vol. X2 to E341351-A95, Vol. X9.

Revision: SR4106104.1015124


Model name changed to GT-86121-WWVV-W2, GT-86121-WWVV in E341351-A95, Vol. X9.

Additional Standards

The product fulfills the requirements of: N/A

Markings and instructions

Clause Title	Marking or Instruction Details
Power rating - Ratings	Ratings (voltage, frequency/dc, current)
Power rating - Model	Model Number

Power rating - Class II symbol	Symbol for Class II construction  (60417-2-IEC-5172)
Power rating - Company identification	Listee's or Recognized company's name, Trade Name, Trademark or File Number
Fuses - Rating	Rated current and voltage and type located on or adjacent to fuse or fuseholder.
LPS marking (optional)	L.P.S or Limited Power Sources or LPS
Fusible resistor	F1: 3.3ohm, 2W or 6.8ohm, 2W; F2: 3.3ohm, 2W or 6.8ohm, 2W or 10ohm, 2W
Special Instructions to UL Representative Inspect the transformer(s) listed in table "Electric Strength Test Special Constructions" per AA1.1- (C): When the tests are conducted at other location, inspect test record and specification sheet provided by the component manufacturer. Verify the specification sheet indicates 100% routine test specified in the table be conducted at the component manufacturer.	

Production-Line Testing Requirements						
<u>Electric Strength Test Special Constructions - Refer to Generic Inspection Instructions, Part AC for further information.</u>						
Model	Component	Removable Parts	Test probe location	V rms	V dc	Test Time, s
All models in this report	T1	--	Primary to secondary	300 0	4242	1
<u>Earthing Continuity Test Exemptions - This test is not required for the following models:</u>						
All models in this report						
<u>Electric Strength Test Exemptions - This test is not required for the following models:</u>						
No exemptions						
<u>Electric Strength Test Component Exemptions - The following solid-state components may be disconnected from the remainder of the circuitry during the performance of this test:</u>						
N/A						
<u>Sample and Test Specifics for Follow-Up Tests at UL</u>						
Model	Component	Material	Test	Sample(s)	Test Specifics	
N/A						

1.5.1	TABLE: list of critical components					Pass
Object/part or Description	Manufacturer/ trademark	type/model	technical data	Product Category CCN(s)	Required Marks of Conformity	Supplement ID
01. Enclosure and plug holder	Sabic Innovative Plastics Us L L C	SE1X(GG)(f1)	V-1 minimum, 2.0mm thick minimum, 105 degree C minimum, HWI=0. Plastic enclosure secured together by ultra-sonic welding. See enclosure 7-01 for details.	QMFZ2	UL E121562	
01a. Enclosure and plug holder(Alternate)	SABIC JAPAN L L C	SE1X(GG)(C)(f1)	V-1 minimum, 2.0mm thick minimum, 105 degree C minimum, HWI=0. Plastic enclosure secured together by ultra-sonic welding. See enclosure 7-01 for details.	QMFZ2	UL E207780	
01b. Enclosure and plug holder (Alternate)	Asahi Kasei Corporation	540V	Rated V-1, 105 degree C. Minimum 2.0 mm thickness, HWI=1. Plastic enclosure secured together by ultra-sonic welding. See enclosure 7-01 for details.	QMFZ2	UL E82268	
01c. Enclosure and plug holder (Alternate)	COVESTRO DEUTSCHLAND AG [PC RESINS]	6485 + (z)(f2)	Rated V-0, 115 degree C. Minimum 2.0 mm thickness, HWI=2. Plastic enclosure secured together by ultra-sonic welding. See enclosure 7-01 for details.	QMFZ2	UL E41613	
01d. Enclosure and plug holder (Alternate)	SABIC Japan L L C	925U	Rated V-0, 115 degree C. Minimum 2.0 mm thickness, HWI=3. Plastic enclosure secured together by ultra-sonic welding. See enclosure 7-01 for details.	QMFZ2	UL E207780	
01e. Enclosure and plug holder (Alternate)	IDEMITSU KOSAN CO LTD	AZ2201	Rated V-0, 125 degree C. Minimum 2.0 mm thickness, HWI=2. Plastic enclosure	QMFZ2	UL E48268	

			secured together by ultra-sonic welding. See enclosure 7-01 for details.			
01f. Enclosure and plug holder (Alternate)	SABIC Japan L L C	CH6410(GG)	Rated V-0, 100 degree C. Minimum 2.0 mm thickness, HWI=3. Plastic enclosure secured together by ultra-sonic welding. See enclosure 7-01 for details.	QMFZ2	UL E207780	
02. Input wire	Interchangeable	Interchangeable	Rated VW-1, minimum 24AWG, minimum 300V, minimum 80 degree C.	AVLV2	UL	
03. PCB	Interchangeable	Interchangeable	V-0, minimum 130 degree C.	ZPMV2	UL	
04. Insulation sheet (For input plug)	Interchangeable	Interchangeable	Rated V-0, 125degree C.	QMFZ2	UL	
05. Fuse or jump wire (F1) (Optional)	Interchangeable	Interchangeable	Rated 2.0A or 6.3A 250Vac	JDYX	UL	
05a. Fuse or jump wire (F1) (Optional) (Alternate)	Littelfuse Wickmann Werke.	392	Rated 2.0A or 6.3A 250Vac	JDYX2	UL E67006	
05b. Fuse or jump wire (F1) (Optional) (Alternate)	Conquer Electronics Co Ltd	MST	Rated 2.0A or 6.3A 250Vac	JDYX2	UL E82636	
05c. Fuse or jump wire (F1) (Optional) (Alternate)	Bel Fuse Inc	RST	Rated 2.0A or 6.3A 250Vac	JDYX2	UL E20624	
05d. Fuse or jump wire (F1) (Optional) (Alternate)	Conquer Electronics Co Ltd	PTU	Rated 2.0A or 6.3A 250Vac	JDYX2	UL E82636	
05f. Fuse or jump wire (F1)	EVER ISLAND ELECTRIC CO LTD	2010	Rated 2.0A or 6.3A 250Vac	JDYX2	UL E220181	

(Optional) (Alternate)	& WALTER ELECTRIC					
05g. Fuse or jump wire (F1) (Optional) (Alternate)	Walter Electronic Co Ltd	ICP	Rated 2.0A or 6.3A 250Vac	JDYX	UL E56092	
05h. Fuse or jump wire (F1) (Optional) (Alternate)	XC ELECTRONICS (SHENZHEN) CORP LTD	5TE, 4T	Rated 2.0A or 6.3A 250Vac	JDYX	UL E249609	
06. Fuse resistor or jump wire (F1) (Optional)	ANHUI CHANGSHENG ELECTRONICS CO LTD	FRT-2W	3.3ohm, 2W 6.8ohm, 2W	FPEW2	UL E306095	
06a. Fuse resistor or jump wire (F1) (Optional) (alternative)	TZAI YUAN ENTERPRISE CO LTD	KNF2W	3.3ohm, 2W 6.8ohm, 2W	FPEW2	UL E355632	
06b. Fuse resistor or jump wire (F1) (Optional) (alternative)	Shenzhen Great ELECTRONICS CO LTD	RXF series	3.3ohm, 2W 6.8ohm, 2W	FPEW2	UL E301541	
06c. Fuse resistor or jump wire (F1) (Optional) (alternative)	Shenzhe Kayocota ELECTRONICS CO LTD	FRKNP-2W	3.3ohm, 2W 6.8ohm, 2W	FPEW2	UL E318056	
07. Fuse or jump wire (F2) (Optional)	Interchangeable	Interchangeable	Rated 2.0A, 250Vac	JDYX	UL	
07a. Fuse or jump wire (F21) (Optional) (Alternate)	Littelfuse Wickmann Werke.	392	Rated 2.0A, 250Vac	JDYX2	UL E67006	
07b. Fuse or jump wire (F2) (Optional) (Alternate)	Conquer Electronics Co Ltd	MST	Rated 2.0A, 250Vac	JDYX2	UL E82636	
07c. Fuse or jump wire (F2) (Optional)	Bel Fuse Inc	RST	Rated 2.0A, 250Vac	JDYX2	UL E20624	

(Alternate)						
07d. Fuse or jump wire (F2) (Optional) (Alternate)	Conquer Electronics Co Ltd	PTU	Rated 2.0A, 250Vac	JDYX2	UL E82636	
07e. Fuse or jump wire (F2) (Optional) (Alternate)	Littelfuse Inc	877+	Rated 2.0A, 250Vac	JDYX2	UL E10480	
07f. Fuse or jump wire (F2) (Optional) (Alternate)	EVER ISLAND ELECTRIC CO LTD & WALTER ELECTRIC	2010	Rated 2.0A, 250Vac	JDYX2	UL E220181	
07g. Fuse or jump wire (F2) (Optional) (Alternate)	Walter Electronic Co Ltd	ICP	Rated 2.0A, 250Vac	JDYX	UL E56092	
07h. Fuse or jump wire (F2) (Optional) (Alternate)	XC ELECTRONICS (SHENZHEN) CORP LTD	5TE, 4T	Rated 2.0A, 250Vac	JDYX	UL E249609	
08. Fuse resistor or jump wire (F2) (Optional)	Chang Sheng	FRT-2W	3.3ohm, 2W 6.8ohm, 2W 10.0ohm, 2W	FPEW2	UL E306095	
08a. Fuse resistor or jump wire (F2) (Optional) (alternative)	TZAI YUAN	KNF2W	3.3ohm, 2W 6.8ohm, 2W 10.0ohm, 2W	FPEW2	UL E355632	
08b. Fuse resistor or jump wire (F2) (Optional) (alternative)	Shenzhen Great	RXF series	3.3ohm, 2W 6.8ohm, 2W 10.0ohm, 2W	FPEW2	UL E301541	
08c. Fuse resistor or jump wire (F2) (Optional) (alternative)	Shenzhe Kayocota	FRKNP-2W	3.3ohm, 2W 6.8ohm, 2W 10.0ohm, 2W	FPEW2	UL E318056	
09. Heat-shrinkable tube for F1 and F2	SHENZHEN WOER HEAT-SHRINKABLE MATERIAL CO LTD	RSFR	125(C, VW-1, 600V	YDPU2	UL E203950	
10. Varistor (MOV1)	Centra Science Corp	CNR-14D471K	Minimum 300 Vac. V-0 coating,	VZCA2	UL E316325	

(Optional)		CNR-14D561K CNR-10D471K CNR-10D561K	105 degree C			
10a. Varistor (MOV1) (Optional) (Alternate)	Joyin Co Ltd	14N471K, 14N561K, 10N471K, 10N561K,	Minimum 300 Vac. V-0 coating, 85 degree C	VZCA2	UL E325508	
10b. Varistor (MOV1) (Optional) (Alternate)	Thinking Electronic Industrial Co Ltd	TVR10471-U, TVR14471, TVR10561-U, TVR14561	Minimum 300 Vac. V-0 coating, 85 degree C	VZCA2	UL E314979	
10c. Varistor (MOV1) (Optional) (Alternate)	Guangdong Fenghua Advanced Technology Holding Co Ltd. Xianhua New Sensitive Components Branch	FNR-14K471 , FNR-10K471, FNR-14K561, FNR-10K561	Minimum 300 Vac. V-0 coating, 85 degree C	VZCA2	UL E325462	
10d. Varistor (MOV1) (Optional) (Alternate)	Brightking (Shenzhen) Co Ltd	14D471K, 14D561K, 10D471K, 10D561K	Minimum 300 Vac. V-0 coating, 105 degree C	VZCA2	UL E327997	
10e. Varistor (MOV1) (Optional) (Alternate)	Guangxi New Future Information Industry Co Ltd	14D471K, 14D561K, 10D471K, 10D561K	Minimum 300 Vac. V-0 coating, 85 degree C	VZCA2	UL E323753	
10f. Varistor (MOV1)	Littelfuse Inc	V14E300P-385P	Minimum 300 Vac. V-0 coating,	VZCA2	UL E320116	

(Optional) (Alternate)			105 degree C			
10g. Varistor (MOV1) (Optional) (Alternate)	Hongzhi Enterprises Ltd.	14D471K, 14D561K, 10D471K, 10D561K	Minimum 300 Vac. V-0 coating, 105 degree C	VZCA2	UL E324904	
11. Electrolytic capacitors (C1) for input voltage 100-240Vac	--	--	Min.400V, max. 10µF, 105 degree C. Provided pressure relief slot.	--	--	
12. Electrolytic capacitors (C2) for input voltage 100-240Vac	--	--	Min.400V, max. 15µF, 105 degree C. Provided pressure relief slot.	--	--	
13. Electrolytic capacitors (C1) for input voltage 100-120Vac	--	--	Min.200V, max. 10µF, 105 degree C. Provided pressure relief slot.	--	--	
14. Electrolytic capacitors (C2) for input voltage 100-120Vac	--	--	Min.200V, max. 15µF, 105 degree C. Provided pressure relief slot.	--	--	
15. Bridge Rectifier(DB1)	--	--	Min. 0.6A, Min.500V	--	--	
16. IC (U1)	--	--	Min. 2.0A, Min. 600V	--	--	
17. Common choke (LF1)	--	--	Minimum 130 degree C. See 4-05 for details.	--	--	4-03
17-1. Common choke (LF1) -Core	--	--	Ferrite, measured approx. overall size 9.8 by 9.0 by 9.0 mm by 3.8mm.	--	--	
17-2. Common choke (LF1) -Tape	Interchangeable	Interchangeable	Minimum 130 degree C.	OANZ2	UL	
17-3. Common choke (LF1) -Bobbin	Interchangeable	Interchangeable	Phenolic, V-0, minimum 130 degree C.	QMFZ2	UL	
17-4. Common choke (LF1) – Magnet wire	Interchangeable	Interchangeable	Minimum 130 degree C.	OBMW2	UL	
17-5. Common choke (LF1) – Varnish	Interchangeable	Interchangeable	Minimum 130 degree C.	OBOR2	UL	
18. Differential Mode Choke (LF1)	--	--	Minimum 130 degree C. see enclosure ID4-06 for details.	--	--	4-04
19.Y-Capacitor(CY1) (Optional)	Success Electronics Co Ltd	SE,SB	Rated maximum 2200 pF, minimum 250 V, 125 degree C. Y1 capacitor.	FOWX2	UL E114280	

19a.Y-Capacitor(CY1) (Optional) (Alternate)	Tdk Corporation	CD	Rated maximum 2200 pF, minimum 250 V, 125 degree C. Y1 capacitor.	FOWX2	UL E37861	
19b.Y-Capacitor(CY1) (Optional) (Alternate)	Murata Mfg Co Ltd	KX	Rated maximum 2200 pF, minimum 250 V, 125 degree C. Y1 capacitor.	FOWX2	UL E37921	
19c.Y-Capacitor(CY1) (Optional) (Alternate)	Jya-Nay Co Ltd	JN	Rated maximum 2200 pF, minimum 250 V, 125 degree C. Y1 capacitor.	FOWX2	UL E201384	
19d.Y-Capacitor(CY1) (Optional) (Alternate)	Welson Industrial Co Ltd	WD	Rated maximum 2200 pF, minimum 250 V, 125 degree C. Y1 capacitor.	FOWX2	UL E104572	
19e.Y-Capacitor(CY1) (Optional) (Alternate)	Samwha Capacitor Co Ltd	SD	Rated maximum 2200 pF, minimum 250 V, 125 degree C. Y1 capacitor.	FOWX2	UL E97754	
19f.Y-Capacitor(CY1) (Optional) (Alternate)	Nan Jing Yuyue Electronics Co Ltd	CT7	Rated maximum 2200 pF, minimum 250 V, 125 degree C. Y1 capacitor.	FOWX2	UL E237728	
19g.Y-Capacitor(CY1) (Optional) (Alternate)	Yinan Don's Electronic Component Co Ltd	CT81	Rated maximum 2200 pF, minimum 250 V, 125 degree C. Y1 capacitor.	FOWX2	UL E145038	
19h.Y-Capacitor(CY1) (Optional) (Alternate)	Jyh Hsu (Jec) Electronics Ltd	JD	Rated maximum 2200 pF, minimum 250 V, 125 degree C. Y1 capacitor.	FOWX2	UL E356696	
20. Transformer (T1)			Class B. See 4-01 for construction details.	--	--	4-01
20a. Transformer (T1)			Class B. See 4-02 for construction details.	--	--	4-02

		character for marketing purposes only.)				
20b. Transformer (T1)			Class B. See 4-03 for construction details.	--	--	
20c. Transformer (T1)			Class B. See 4-04 for construction details.	--	--	
20-1. Transformer (T1) insulation system			Class 130(B)	OBJY2	UL E159480	
20-2. Transformer - Bobbin	Sumitomo Bakelite Co Ltd	PM-9820, PM- 9630	Phenolic, V-0, 150 degree C , Min. thickness 0.71mm	QMFZ2	UL E41429	
20-2a. Transformer – Bobbin (Alternate)	Hitachi Chemical Co Ltd	CP-J-8800	Phenolic, V-0, 150 degree C , Min. thickness 0.71mm	QMFZ2	UL E42956	
20-2b. Transformer – Bobbin (Alternate)	Chang Chun Plastics Co Ltd	T375J	Phenolic, V-0, 150 degree C , Min. thickness 0.71mm	QMFZ2	UL E59481	
20-3. Transformer - Insulation Tape	3m company electrical markets div (EMD)	1350F-1, 1350F-2	Rated 130 degree C.	OANZ2	UL E17385	
20-3a. Transformer - Insulation Tape (Alternate)	Symbio Inc	35660, 35661, 35660Y	Rated 130 degree C.	OANZ2	UL E50292	
20-3b Transformer - Insulation Tape (Alternate)	Jingjiang Yahua Pressure Sensitive Glue Co Ltd	CT, PZ	Rated 130 degree C.	OANZ2	UL E165111	
20-4 Transformer - Core	--	--	Ferrite, With min. 2 layers of	--	--	

			insulation tape wrapped around core body. Ferrite, overall size 17.1 by 14.5 by 23.0 mm.			
20-5. Transformer Winding	Interchangeable	Interchangeable	MW28 and rated 130 degree C or MW75.	OBMW2	UL	
20-6. Transformer - Triple insulation wire	Young Chang Silicone Co Ltd	STW-B	Rated 130 degree C	OBJT2	UL E242198	
20-7 Transformer – Varnish (optional)	Hitachi Chemical Co Ltd	WP-2952F-2G	Rated 130 degree C.	OBOR2	UL E72979	
20-7a. Transformer – Varnish (optional) (Alternate)	Elantas Electrical Insulation Elantas Pdg Inc	468-2(d)	Rated 130 degree C.	OBOR2	UL E75225	
21. Current Sense Resistor (R9, R10)	--	--	2.4ohm minimum, 1/4W minimum	--	--	
22.Silicone glue	Interchangeable	Interchangeable	V-2 minimum or HF-2 minimum	QMFZ2	UL	
23.Label	Interchangeable	Interchangeable	85 degree C minimum, suitable for its application surface. All marking labels should be provided by authorized suppliers.	PGDQ2 or PGJ12	UL	
24a. Permanency of Marking (Alternate)	--	--	Permanently ink-stamped, silk-screened, molded in, or on self-adhesive labels.	--	--	
25. Strain Relief	Interchangeable	Interchangeable	V-1 minimum. See enclosure 7-04 for details.	QMFZ2	UL	
26.Output wire	Interchangeable	Interchangeable	Rated VW-1, minimum 24AWG, minimum 30V, minimum 80 degree C. Maximum 3.05m.	AVLV2	UL	
27. Input blade	--	--	Copper or Copper Alloy, non-polarized (NEMA 1-15P configuration). Integrally melded onto Plug Holder, perimeter of face section from which Blade projection minimum 5.1 mm from any	--	--	

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2017-08-09

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