

UL-EU CERTIFICATE

Certificate No. UL-EU-01648-M3
Page 1/4
Date of Issue 2021-01-28

Certificate Holder Flex Electronics (Shanghai) Co., Ltd
33 Fuhua Road, Jiading District
Shanghai, 201818 China

Manufacturer Flex Electronics (Shanghai) Co., Ltd
33 Fuhua Road, Jiading District
Shanghai, 201818 China

Production site Flex Electronics (Shanghai) Co., Ltd
33 Fuhua Road, Jiading District Shanghai, 201818
China

Certified Product DC-DC Converter
Model PKU 4611A SI*, PKU 4611A SIP*, PKU4617VAPI*,
PKU4617VASI*, PKU4713A PIHSNTLA, PKU4713A
PINTLA, See Page 2

Trademark



Rated Voltage / Frequency See Page 2

Rated Current / Power See Page 2

Insulation Class Not classified

Degree of protection (IP) IPX0

Tested acc. to EN 62368-1:2014/A11:2017, EN 62368-1:2014

Test Report No. E496569-A6002-CB-1-Amendment-3 issued on 2021-01-28

Additional The report was revised to include technical modifications.

Expire date 2023-01-06

Certification Manager
Jan-Erik Storgaard
UL International Demko A/S
Borupvang 5A
2750 Ballerup
Denmark

This is to certify that representative sample(s) of the Product described herein ("Certified Product") have been investigated and found in compliance with the Standard(s) indicated on this Certificate, in accordance with the UL-EU Requirements. As specified in the respective appendices below the designated Certificate holder is entitled to use the UL-EU Mark, or its alternative for cables, for the Certified Product manufactured at the production site(s) identified above, in accordance with the UL-EU Mark Service Agreement, including without limitation the UL-EU Mark Testing and Certification Services Service Terms. Only those Products bearing the UL-EU Mark for Europe should be considered as being covered by UL's UL-EU Mark Service. This Certificate shall remain valid through the expiration date, unless terminated earlier in accordance with the Service Agreement including without limitation if the Standard(s) identified on this Certificate is amended or withdrawn prior the expiration date.

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Appendix UL-EU CERTIFICATE

Certificate No. UL-EU-01648-M3
Page 2/4
Date of Issue 2021-01-28

Model Details:

PKU 4611A SI*, PKU 4611A SIP*, PKU4617VASI*, PKU4617VAPI*, PKU4716VA*
PKU4717YA PILA, PKU4713A PINTLA, PKU4713A PIHSNTLA, PKU4817YA*

PKU 4611A SI*, PKU 4611A SIP*, PKU4617VAPI*, PKU4617VASI*, PKU4716VA*, PKU4817YA*

All models have suffixes that represent minor differences that do not affect safety.

All models' suffix is optional, *can be one of the following suffixes:

PI - pins for through hole mounting

SI - pins for surface mounting PI or SI may be followed by a combination of the following additional suffixes:

P - positive remote control (negative remote control is standard)

M - increased stand-off and height

LA - lead length 3.69 mm (0.145 in.) (5.33 mm (0.210 in.) is standard)

LB - lead length 4.57 mm (0.180 in.) (5.33 mm (0.210 in.) is standard)

LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard)

LD - lead length 2.40 mm (0.094 in.) (5.33 mm (0.210 in.) is standard)

NB - no base plate (PKB-B models only)

OP - optional part list

HS - base plate

LHS - low base plate

NT - No trim pin (one pin is not mounted, no adjust possible)

Ratings: (optional)

PKU 4611A SI*, PKU 4611A SIP* Input: 36-60Vdc, 1.8-1.5A; Output:
5Vdc, 12A

PKU4617VASI*, PKU4617VAPI* Input: 36-60Vdc, 1.8-1.5A;
Output: 6Vdc, 10A

PKU4716VA* Input: 36-60Vdc, 2.5A; Output: 5.5Vdc, 12.7A

PKU4717YA PILA Input: 36-60Vdc, 2.5A; Output: 4.5Vdc, 15.89A.

PKU4713A PINTLA Input: 36-65Vdc, 1.9A; Output: 12Vdc, 5.83A.

PKU4713A PIHSNTLA Input: 36-65Vdc, 1.9A; Output: 12Vdc, 5.83A.

PKU4817YA* Input: 36-60Vdc, 2.5A; Output: 5.15Vdc, 15.53A

Additional Information:

This certificate replaces the UL-EU certificate No. UL-EU-01648-M2 dated 2019-08-07 due to

- Add new model PKU4817YA*
- Add suffix "*" for several models.

Certification Body

UL International Demko A/S, Borupvang 5A, 2750 Ballerup
Denmark.



Appendix UL-EU CERTIFICATE

Certificate No. UL-EU-01648-M3
Page 3/4
Date of Issue 2021-01-28

Certification Mark UL-EU Mark

The UL-EU Mark, as displayed below, shall appear on certified products only. Minimum size is not specified, as long as the Mark is legible. The following is suggested.



The minimum height of the registered trademark symbol ® shall be 1 mm. When the overall diameter of the UL-EU Mark is less than 9.5 mm, the trademark symbol may be omitted if it is not legible to the naked eye.

The UL-EU Mark may appear on a label, nameplate, or may be cast, stamped or molded into the product. When appearing on a label or nameplate, the Manufacturer's name or trademark along with a model number are also required on that same label or nameplate. If cast, stamped or molded, the Certificate Manufacturer's name or trademark and model number shall also appear elsewhere on the product.

All content shall be in accordance with the details provided on this UL-EU Certificate.

PROCUREMENT

The Production site may reproduce the Mark or obtain it from a UL authorized supplier. The list of UL authorized suppliers can be found on UL's online directory at www.ul.com

Certification Body

UL International Demko A/S, Borupvang 5A, 2750 Ballerup
Denmark.



Appendix UL-EU CERTIFICATE

Certificate No. UL-EU-01648-M3
Page 4/4
Date of Issue 2021-01-28

Alternate certification Mark for cables

As an alternative to the UL-EU Mark specified above the alternate UL-EU Mark, displayed below, can appear on certified cables only. Minimum size is not specified, as long as the mark is legible. The following is suggested:

(UL)-EU

The alternate UL-EU Mark may be cast, stamped or molded into the cable and continue throughout the length of the cable as specified in the applicable cable standard.

All content shall be in accordance with the details provided on this UL-EU Certificate.

Certification Body

UL International Demko A/S, Borupvang 5A, 2750 Ballerup
Denmark.

