

UL-EU CERTIFICATE

Certificate No. UL-EU-01906-M2
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Date of Issue 2021-08-31

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 4104C*, PKU 4105C*, PKU 4106C*, PKU 4107C*, PKU 4116C*,
PKU 4416Z*, PKU 4813C*, PKU 4815C*, PKU 4116CSIUA
See page 2 for additional Information

Trademark



Rated Voltage / Frequency See page 2 for additional ratings
Rated Current / Power See page 2 for additional ratings
Insulation Class Not classified
Degree of protection (IP) IPX0

Tested acc. to EN 62368-1:2014, EN 62368-1:2014/A11:2017
Test Report No. E496569-A6015-CB-1 issued on 2021-08-23
Additional The report was revised to include technical modification(s).
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with the Service Agreement including without limitation if the Standard(s) identified on this Certificate is amended or withdrawn prior the expiration date.

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Additional Model(s): PKU 4104C*, PKU 4105C*, PKU 4106C*, PKU 4107C*, PKU 4116C*, PKU 4416Z*, PKU 4813C*, PKU 4815C*

* represents that all models may be followed by PI or SI and any alphanumeric suffixes (not safety related), see test report for details.

Ratings:

(optional)

Input 36-75 Vdc

Input 45-75 Vdc (for model PKU 4106C*)

Input 28-60 Vdc (for model PKU 4416Z*)

Input 34.5-60Vdc (for model PKU 4116CSIUA)

Output:

PKU 4104C*: 12 Vdc, 100 W

PKU 4105C*: 5 Vdc, 100 W

PKU 4106C*: 5.5 Vdc, 100 W

PKU 4107C*: 6 Vdc, 100 W

PKU 4116C*: 30 Vdc, 100 W

PKU 4416Z*: 24 Vdc, 43 W

PKU 4813C*: 12 Vdc, 84 W

PKU 4815C*: 15 Vdc, 86 W

PKU 4116CSIUA: 30 Vdc, 100 W

Additional Information:

This certificate replaces the certificate No. UL-EU-01906-M1, issued on 2020-12-23 due to:

1. Change input rating of model PKU 4116CSIUA.
2. Change output rating of model PKU 4116C*.
3. Change output rating of model PKU 4116CSIUA.

Certification Body

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



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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

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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

