


UL-EU CERTIFICATE

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| Certificate No. | UL-EU-01798-A2 |
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| Date of Issue | 2023-03-14 |
| Certificate Holder | 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 | PKM4613NHPIPODHSSPLA, PKM4613ANH, PKM4717NH, PKM4717BNH, See page 2 for additional Information |
| Trademark |  |
| Ratings | (optional) Input: 36-60 Vdc (PKM4717NH, PKM4717BNH, PKM4817NH) See page 2 for additional ratings |
| Tested acc. to | EN 62368-1:2014, EN 62368-1:2014/A11:2017 |
| Test Report No. | OFF-4789086343-A-1-Amendment-2 issued on 2023-03-08 |
| Additional | The test report was revised to include corrections. This certificate replaces the earlier issued UL-EU-01798-A1 to correct model names in the ratings field. |
| Expire date | 2024-07-06 |

Certification Manager
Jan-Erik Storgaard
UL International Demko A/S
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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with the Service Agreement including without limitation if the Standard(s) identified on this Certificate is amended or withdrawn prior the expiration date.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):

Series:

PKM4613NHPIPODHSSPLA, PKM4613ANH, PKM4717NH, PKM4717BNH, PKM4817NH, PKM4817LNHPIOA, PKM4817LNH, PKM4617LNH, PKM4713NH, PKM4613NH,

All models may be followed by any combination of characters representing minor differences that do not affect safety.

All models' suffix may be any combination of following characters and optional:

PI - pins for through hole mounting

PI may be followed by a combination of the following additional suffixes representing minor differences not affecting safety:

HS - baseplate

SP - single power pin

LA - 3.69 mm lead length (5.33 mm is standard)

LB - 4.57 mm lead length (5.33 mm is standard)

LC - 2.79 mm lead length (5.33 mm is standard)

LW - wide shoulder pins with 5.33 mm lead length (standard length)

LWA - wide shoulder pins with 3.69 mm lead length

LWB - wide shoulder pins with 4.57 mm lead length

LWC - wide shoulder pins with 2.79 mm lead length

OP - output transistors (T200-T207) manufactured by NXP

1 - suitable for Pin-in-Paste technology

2 - pin in paste and hard tray

OA - 10.1 V output voltage

SHS-- the screwed baseplate mechanical option

OD- trimming/sense pins function

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

Ratings:

Input:

36-75 Vdc (PKM4613NH, PKM4613ANH, PKM4613NHPIPODHSSPLA)

45-60 Vdc (PKM4817LNH)

43-60 Vdc (PKM4617LNH, PKM4817LNHPIOA)

40-60 Vdc (PKM4713NH)

Output:

12 Vdc 50 A (for PKM4613NH, PKM4613NHPIPODHSSPLA)

11.6 Vdc 50A (for PKM4613ANH)

10.8 Vdc 70 A (for PKM4717NH and PKM4717BNH)

10.8 Vdc 80 A (for PKM4817NH and PKM4817LNH)

10.1 Vdc 70 A (for PKM4617LNH)

10.1 Vdc 80 A (for PKM4817LNHPIOA)

12 Vdc, 58.3 A (for PKM4713NH)

Certification Body

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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

