



Ref. Certif. No.

DK-141229-A1-UL

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

CB TEST CERTIFICATE

Product	DC-DC Converter
Name and address of the applicant	Flex Electronics (Shanghai) Co Ltd 33 Fuhua Road, Jiading District Shanghai, Shanghai, 201818 China
Name and address of the manufacturer	Flex Electronics (Shanghai) Co Ltd 33 Fuhua Road, Jiading District Shanghai, Shanghai, 201818 China
Name and address of the factory	Flex Electronics (Shanghai) Co Ltd 33 Fuhua Road, Jiading District Shanghai, Shanghai, 201818 China
Note: When more than one factory, please report on page 2	<input type="checkbox"/> Additional Information on page 2
Ratings and principal characteristics	(optional) For model PKU4213D*, Input: 36-75Vdc, Max.9A, Output: 12Vdc, Max.15A <input checked="" type="checkbox"/> Additional Information on page 2
Trademark / Brand (if any)	
Customer's Testing Facility (CTF) Stage used	CTF Stage 2
Model / Type Ref.	PKU4113D PIHS, PKU4111D PIHS, PKU4113D PIOLA, PKU3913D*, PKU4111D PIHSLA <input checked="" type="checkbox"/> Additional Information on page 2
Additional information (if necessary may also be reported on page 2)	Additionally evaluated to: EN 62368-1:2014, EN 62368-1:2014/A11:2017. The report was revised to include administrative modifications. National Differences: EU Group Differences, CA, US <input checked="" type="checkbox"/> Additional Information on page 2
A sample of the product was tested and found to be in conformity with	IEC 62368-1:2014
As shown in the Test Report Ref. No. which forms part of this Certificate	OFF-4788288629-C-1-Amendment-1 issued on 2024-01-05

This CB Test Certificate is issued by the National Certification Body



- UL Solutions (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
- UL Solutions (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
- UL Solutions (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
- UL Solutions (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see www.ul.com/ncbnames

Date: 2024-01-05
Original Issue Date: 2023-08-18

Signature:
Thomas Wilson



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Additional Model Detail(s):

PKU4213D*, PKU4213D PIHS, PKU4113D*, PKU4113D PIHS, PKU4111D*, PKU4111D PIHS, PKU4110D*, PKU4110D PIHS, PKU4217D PIHS, PKU4217D*, PKU4113D PIOLA, PKU4111D PIHSLA, PKU4913D*, PKU3913D*, PKU4116HD*, PKU4105C PILA, PKU4317D*

* represents PI or SI may be followed by a combination of the additional suffixes,, see below for each suffix.

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

All models have 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

HV - baseplate with wings

G - baseplate with ground pin (HV baseplate only)

OC - custom optimized control loop

OV - 36-60V input voltage

OA - 1.5 V output voltage

OB - 1.2 V output voltage

LV - latching over voltage protection

LT - latching over temperature protection

LI - latching over current protection

LP - latching over temperature and over voltage protection

LIV - latching over current and over voltage protection

LIT - latching over current and over temperature protection

LPA - latching over voltage, over temperature and over current protection

OT - change under voltage at shut down level

O - electrical optional part list

NT - no trim function

Additional information (if necessary)



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Additional Ratings:

For model PKU4213D PIHS, Input: 36-75Vdc, Max.10A; Output: 12Vdc, Max. 17A;
 For Model PKU4113D*, and PKU4113D PIHS, Input: 36-75Vdc, Max.7A; Output: 12Vdc, Max. 10A;
 For Model PKU4111D*, Input: 36-75Vdc, Max.6.5A; Output: 5Vdc, Max.27A;
 For Model PKU4111D PIHS, Input: 36-75Vdc, Max.7A; Output: 5Vdc, 30A;
 For Model PKU4110D*, Input: 36-75Vdc, Max.4.5A: Output: 3.3Vdc, Max.30.3A;
 For Model PKU4110D PIHS, Input: 36-75Vdc, Max.5A; Output: 3.3Vdc, Max. 33.3A
 For Model PKU4217D PIHS, PKU4217D*, Input: 36-60Vdc, Max.7.5A; Output: 10.4Vdc, 25A
 For Model PKU4113D PIOLA, Input: 36-75Vdc, Max.7A;
 Output: 12Vdc, Max.10A
 For Model PKU4111D PIHSLA, Input: 36-75Vdc, Max.4.5A; Output: 5Vdc, 30A
 For Model PKU4913D*, Input: 36-75Vdc, Max.3.2A; Output: 12Vdc, 100W
 For Model PKU3913D*, Input: 30-60Vdc, Max.3.6A; Output: 12Vdc, 100W
 For Model PKU4116HD*, Input: 36-60Vdc, Max.3.3A,
 Output: 55Vdc, 2A
 For Model PKU4105C PILA, Input: 36-75Vdc,
 Output: 5Vdc, 100W
 For Model PKU4317D*, Input: 48-60Vdc, Max 7.5A, Output: 12Vdc, 25A

Summary of Modifications:

- Delete one factory.

Additional information (if necessary)



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