



Ref. Certif. No.

DK-79749-M1-UL

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

CB TEST CERTIFICATE

Product	Switching Power Supply
Name and address of the applicant	Flex Electronics (Shanghai) Co Ltd 33 Fuhua Road, Jiading District Shanghai, 201818 China
Name and address of the manufacturer	Flex Electronics (Shanghai) Co Ltd 33 Fuhua Road, Jiading District Shanghai, 201818 China
Name and address of the factory	Flex Electronics (Shanghai) Co Ltd 33 Fuhua Road, Jiading District 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 Models PKB2213D* Input: 18 - 36Vdc Output: 12Vdc, 20A <input checked="" type="checkbox"/> Additional Information on page 2
Trademark / Brand (if any)	flex 
Customer's Testing Facility (CTF) Stage used	CTF Stage 2
Model / Type Ref.	PKB2213D*, PKB4216HD*, PKB5213D* <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 technical modifications. National Differences: EU Group Differences, AU, CA, NZ, 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	E496569-A6001-CB-1 issued on 2023-07-13

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: 2023-07-13
Original Issue Date: 2019-01-04

Signature:
Thomas Wilson



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Additional Model Detail(s):

PKB2213D*, PKB4216HD*, PKB5213D*,

* means all models have at least 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

OP - optional part list

HS - base plate (PKB-C models only)

HV - baseplate with wings

G - baseplate with ground pin

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

Additional Ratings:

For model PKB4216HD*

Input: 36 - 60Vdc

Output: 50Vdc, 5A

For model PKB5213D*

Input: 18 - 60Vdc, 15A

Output: 12Vdc, 20A

Summary of Modifications:

Addition of new model, Update model name, Update Test Item Particulars, Update GPI, Update Energy Source Table, Update Clauses; Update Critical Components List, Update Summary of compliance with National Differences, see CB Test Report for details.

Additional information (if necessary)



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