



Ref. Certif. No.

DK-95689-M2-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 Shi, 201818 China
Name and address of the manufacturer	Flex Electronics (Shanghai) Co Ltd 33 Fuhua Road, Jiading District Shanghai, Shanghai Shi, 201818 China
Name and address of the factory	Flex Electronics (Shanghai) Co Ltd 33 Fuhua Road, Jiading District Shanghai, Shanghai Shi, 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 PIM 4328 P*, PIM 4328 PD*, PIM 4328 PDA*: Input rated: 36-72 V dc <input checked="" type="checkbox"/> Additional Information on page 2
Trademark / Brand (if any)	
Customer's Testing Facility (CTF) Stage used	CTF Stage 1
Model / Type Ref.	PIM 4328 P*, PIM 4328 PD*, PIM 4328 PDA*, PIM 4820B PD* <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, 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	E496569-A6011-CB-1 issued on 2024-01-10

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: 2024-01-10
Original Issue Date: 2020-04-13

Signature:
Thomas Wilson



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Additional Model Detail(s):

PIM 4328 P*, PIM 4328 PD*, PIM 4328 PDA*, PIM 4820B PD*
May be followed by alphanumeric suffix (not safety related),

PIM 4328 PD*, PIM 4328 PDA*, PIM 4328 P*,

* means the model name may be followed by following suffixes:

LA - pins cut to 3.69 mm (default: 5.33 mm)

LB - pins cut to 4.57 mm (default: 5.33 mm)

E -enable ON and OFF levels, 32 and 30 V (default: 35 and 33 V)

OP- oring FETs update from 120Vds rating to 150Vds rating to support 75V input voltage reverse polarity

M: without pick-up tag

LC: 2.79mm lead length

OE - Optional environmental configuration/design (i.e. anti-sulfur)

PIM 4820B PD*,

* means the model name may be followed by suffixes

HS and/or LA and LB for different pin length option and/or suffix OP for earlier hold up trigger option (a minor firmware difference), where:

HS - baseplate

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

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

OP – earlier hold up trigger

LD- 4.0mm pin lead length

1-pin in paste & soft tray

2- pin in paste & hard tray

M: without pick-up tag

LC: 2.79mm lead length

Additional Ratings:

(optional)

For models PIM 4328 P*, PIM 4328 PD*, PIM 4328 PDA*:

Input rated: 36-72 V dc

Outputs rated:

output 1: Filtered Output rated, 36-72 V dc, 10 A

output 2: 3.3 V dc, 3.6 A

output 3: 5.0 V dc, 150 mA

For model PIM 4820B PD*:

Main inputs rated: 36-75Vdc

External input rated: 5-14.4 Vdc

Outputs rated:

output 1: 36-75 Vdc, 20 A

output 2: 0.85-7.0 Vdc, 15 W without external input

0.85-7.0 Vdc, 5 A with external input

Summary of Modifications:

Addition of new suffix to models, Addition of National standards, see CB Test Report for details.

Additional information (if necessary)



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