


UL-EU CERTIFICATE

Certificate No.	UL-EU-01895-M2
Page	1/4
Date of Issue	2024-01-18
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	PIM4710, PIM 4710, PIM 4610, PIM4610 See page 2 for additional Information
Trademark	
Ratings	Ratings are optional: PIM 4610 or PIM4610: Input A: 36-75Vdc Input B: 36-75Vdc Input 2: 9-13.2Vdc See page 2 for additional ratings
Tested acc. to	EN 62368-1:2014, EN 62368-1:2014/A11:2017
Test Report No.	OFF-4788662003-A-1-Amendment-3 issued on 2024-01-18
Additional	The report was revised to include technical modifications. This certificate replaces the earlier issued UL-EU-01895-A1 to add model suffix OP.
Expire date	2024-07-06

Certification Manager
Thomas Wilson
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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with the Service Agreement including without limitation if the Standard(s) identified on this Certificate is amended or withdrawn prior the expiration date.

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Appendix UL-EU CERTIFICATE

Certificate No. UL-EU-01895-M2

Page 2/4

Date of Issue 2024-01-18

Additional Model(s):

Series: PIM 4710, PIM4610, PIM 4610, PIM4710, maybe followed by xxxxx, where xxxxx can be any alpha-numeric indicating variants of basic models. For description refer to Model Differences.

All variants have at least two suffixes, the first indicates the method of mounting ('P' or 'S') and the second indicates the communication interface ('D' or 'DA'). All variants may have a third optional suffix indicating a power good pin ('G'). Through hole mounted variants ('P') may have a fourth suffix for shorter pin leads ('LA', 'LB', 'LC' or 'LD'). The fifth indicates optional part list (OP).

P Through hole mounting

S Surface mounting

D Standard PMBus interface

DA Limited I2C interface (Industry standard)

G Power good pin

LA lead length 3.69 mm (default: 5.33 mm)

LB lead length 4.57 mm (default: 5.33 mm)

LC lead length 2.79 mm (default: 5.33 mm)

LD lead length 2.40 mm (default: 5.33 mm)

OP Optional part list

Ratings:

Outputs:

1) max. 16A

2) 3.3Vdc, max 3.6A, or max 7.0A if additionally supplied by input 2

PIM 4710 or PIM4710:

Input A: 36-75Vdc

Input B: 36-75Vdc

Input 2: 9-13.2Vdc

Outputs:

1) max. 20A

2) 3.3Vdc, max 3.6A, or max 7.0A if additionally supplied by input 2

Appendix UL-EU CERTIFICATE

Certificate No. UL-EU-01895-M2

Page 3/4

Date of Issue 2024-01-18

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

Certification Body

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

Appendix UL-EU CERTIFICATE

Certificate No. UL-EU-01895-M2

Page 4/4

Date of Issue 2024-01-18

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
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