

# UL-EU CERTIFICATE

<b>Certificate No.</b>	UL-EU-02191
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<b>Date of Issue</b>	2022-01-05
<b>Certificate Holder</b>	FLEX ELECTRONICS (SHANGHAI) CO LTD 33 FUHUA ROAD,JIADING DISTRICT SHANGHAI 201818 CHINA
<b>Manufacturer</b>	FLEX ELECTRONICS (SHANGHAI) CO LTD 33 FUHUA ROAD,JIADING DISTRICT SHANGHAI 201818 CHINA
<b>Production site</b>	FLEX ELECTRONICS (SHANGHAI) CO LTD 33 FUHUA ROAD,JIADING DISTRICT SHANGHAI 201818 CHINA
<b>Certified Product</b>	DC-DC Converter
<b>Model</b>	BMR310X1X2X3X4/X5X6X7 See page 2 for additional Information
<b>Trademark</b>	
<b>Ratings</b>	(optional) Input: 40-60Vdc, 18A; Output: 10-15Vdc, 65A for building-in, Not classified, IPX0
<b>Tested acc. to</b>	EN 62368-1:2014, EN 62368-1:2014/A11:2017
<b>Test Report No.</b>	E496569-A6036-CB-1 issued on 2022-01-05
<b>Additional</b>	-
<b>Expire date</b>	2023-01-06

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the Service Agreement including without limitation if the Standard(s) identified on this Certificate is amended or withdrawn prior the expiration date.

[www.ul.com](http://www.ul.com)



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## **Additional Model(s):**

**Series:** BMR310X1X2X3X4/X5X6X7, Mechanical Solution (X1, X2)

X1 defines the mechanical pin option

0: TH –standard pin length

1: Reserve for pin length LA = lead length 3.69mm

2: Reserve for pin length LB = lead length 4.30~4.57mm

3: Reserve for pin length LC = lead length 2.79mm

4: SMD

5: SIP

6-9: TBD

X2 defines the mechanical option

0: open frame

1: base plate

2: heatsink transverse

3: heatsink longitudinal

4-9: TBD

Additional HW variants (X3, X4)

X3, X4 is used as sequence number for additional variants, X3, X4 can be a number between 01 and 99.

Currently assigned codes for additional variants(X3X4):

00: 40 - 60 Vin, 13 Vout

01-99: TBD

Suffix for BMR (X5X6X7) variants

Suffix X5X6X7 for BMR 310 is the same as suffix for CDA.

CDA variants (X5X6X7)

X5, X6, X7 is used as sequence number for CDA files:

X5X6X7 can be a number between 001 and 999 and describes different functional options as stated in 152 41-CDA 102

Y1Y2Y3Y4/X5X6X7. Both general numbers specified in the datasheet and customer unique numbers exist. All CDA

sequence numbers are SW unique.

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**Certification Body**

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



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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 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](http://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.

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**Certification Body**

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

