Ref. Certif. No.

DK-161540-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 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 Note: *When more than one factory, please report on page 2*	Flex Electronics (Shanghai) Co Ltd 33 Fuhua Road,Jiading District Shanghai 201818 China ☒ Additional Information on page 2
Ratings and principal characteristics	(optional) Model BMR313X1X2X3X4/X5X6X7: Input: 38-60Vdc, 22A, Output: 9.5-15Vdc, 0-81A ☒ Additional Information on page 3
Trademark / Brand (if any)	flex
Customer's Testing Facility (CTF) Stage used	CTF Stage 2
Model / Type Ref.	BMR314X1X2X3X4/X5X6X7, BMR316X1X2X3X4/X5X6X7, BMR313X1X2X3X4/X5X6X7 ☒ Additional Information on page 2-3
Additional information (if necessary may also be reported on page 2)	National Differences: EU Group Differences, CA, US ☒ Additional Information on page 3
A sample of the product was tested and found to be in conformity with	IEC 62368-1:2018
As shown in the Test Report Ref. No. which forms part of this Certificate	E496569-A6050-CB-2 issued on 2024-12-25

This CB Test Certificate is issued by the National Certification Body

UL Solutions

☐ 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: 2024-12-26

Signature: Thomas Wilson

Factory(ies):

FLEXTRONICS TECHNOLOGY(PENANG)SDN BHD
Blok A1, No.2466, Tingkat Perusahaan 4a
Kawasan Perusahaan Perai Perai, Pulau Pinang 13600
Malaysia

Additional Model Detail(s):
BMR313X1X2X3X4/X5X6X7,
X1 defines the Mechanical pin option
X1=0: Open frame, LGA
X1=1: Base plate, LGA
X1=2-9: TBD
X2X3 is used as sequence number for additional variants
X2X3=00: Not used
X2X3=01: Vin 38-60 V, Vout 9.5-15 V (4:1 ratio), 1000 W continuously, 3000 W peak
X2X3=02-99: TBD
X4 defines the functionality option
X4=0: TBD
X4=1: Stacked module
X4=2-9: TBD
X5X6X7 is used as sequence number for CDA files
X5X6X7 can be a number between 001 and 999
Both general numbers specified in the datasheet and customer unique numbers exist. All CDA sequence number are SW unique.
The CDA sequence numbers are listed in 15241-CDA 102 0663. Model number is CDA 102 0663/ X5X6X7.

BMR316X1X2X3X4/X5X6X7,
X1 defines the Mechanical pin option
X1=0: Open frame, LGA
X1=1: Base plate, LGA
X1=2-9: TBD
X2X3 is used as sequence number for additional variants
X2X3=00: Not used
X2X3=01: Vin 38-60 V, Vout 9.5-15 V (4:1 ratio), 1000 W continuously, 3000 W peak, Center tap. Infineon Shasta controller.
X2X3=02-99: TBD
X4 defines the functionality option
X4=0: TBD
X4=1: Stacked module
X4=2-9: TBD
X5X6X7 is used as sequence number for CDA files
X5X6X7 can be a number between 001 and 999
Both general numbers specified in the datasheet and customer unique numbers exist. All CDA sequence number are SW unique.
The CDA sequence numbers are listed in 15241-CDA 102 0316. Model number is CDA 102 0316/ X5X6X7.

Additional information (if necessary)

UL Solutions

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☐ UL Solutions (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

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Date: 2024-12-26

Signature:

Thomas Wilson

Additional Model Detail(s):
BMR314X1X2X3X4/X5X6X7,
X1=0: Open frame, LGA
X1=1: Base plate, LGA
X1=2-9: TBD
X2X3 is used as sequence number for additional variants
X2X3=00: Not used
X2X3=01: Vin 38-60 V, Vout 9.5-15 V (4:1 ratio), 800 W continuously, 1500 W peak
X2X3=02-99: TBD
X4 defines the functionality option
X4=0: TBD
X4=1: Stacked module
X4=2-9: TBD
X5X6X7 is used as sequence number for CDA files
X5X6X7 can be a number between 001 and 999
Both general numbers specified in the datasheet and customer unique numbers exist. All CDA sequence number are SW unique. The CDA sequence numbers are listed in 15241-CDA 102 0664. Model number is CDA 102 0664/ X5X6X7.

Additional Ratings:

Model BMR314X1X2X3X4/X5X6X7:
Input: 38-60Vdc, 19A
Output: 9.5-15Vdc, 0-70A
Model BMR316X1X2X3X4/X5X6X7:
Input: 38-60Vdc, 22A
Output: 9.5-15Vdc, 0-81A
Additionally evaluated to:
EN IEC 62368-1:2020, EN IEC 62368-1:2020/A11:2020

Additional information (if necessary)

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☒ UL Solutions (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
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