IEC IECEE CB SCHEME	Ref. Certif. No.
	DE 3 - 502556

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

SYSTEME CEI D'ACCEPTATION MUTUELLE DE CERTIFICATS D'ESSAIS DES EQUIPEMENTS ELECTRIQUES (IECEE) METHODE OC

CB TEST CERTIFICATE
CERTIFICAT D'ESSAI OC

Product	Converter DC-DC Converter
Name and address of the applicant	Vicor Corporation 25 Frontage Road Andover MA 01810, USA
Name and address of the manufacturer	Vicor Corporation 25 Frontage Road, Andover MA 01810, USA
Name and address of the factory	Vicor Inc. 400 Federal Street, Andover MA 01810, USA
Ratings and principal characteristics	Rated Input Voltage: 400 V DC, (260-410); 544 Vdc (400-700) Rated Output Voltage: 50 V DC (32.5-51.3); 34 V DC (25.0-43.75) Rated Output Power: 1750 W; 1750 W Rated Output Current: 35 A; 40 A Degree of Protection: IPX0
Trade mark (if any)	Vicor
Customer's Testing Facility (CTF) Stage used	CTF Stage 3
Model/type Ref.	HV VIA BCM (Model: BCM4414VD1E5135T02); UHV VIA BCM (Model: BCM4414VG0F4440T02) (see attachment for model nomenclature and additional rating information.)
Additional information (if necessary)	Certificate DE 3 – 502466 issued 2017-06-30 is replaced by this version due to technical changes
A sample of the product was tested and found to be in conformity with	IEC 60950-1:2005 IEC 60950-1:2005/AMD1:2009 IEC 60950-1:2005/AMD2:2013
as shown in the Test Report Ref. No. which forms part of this certificate	72130438-000

This CB Test Certificate is issued by the National Certification Body
Ce Certificat d'essai OC est établi par l'Organisme **National de Certification**

Date, 2017-09-15
CB 17 08 21433 541

William Stinson

TÜV SÜD Product Service GmbH · Certification Body · Ridlerstrasse 65 · D-80339 München

TÜV SÜD Product Service

CB-1 03.06

Attachment to Certificate CB 17 08 21433 541

High Voltage and Ultra High Voltage VIA BCM Model Matrix: BCMaaaabccdwwxxyzz

Example: BCM4414VD1E5135T00

BCM = Constant

Product Function	
BCM	Bus Converter Module

aaaa = 4414

Package Size (Length x Width)	
4414	4.4 in x 1.4 in
4914	4.9 in x 1.4 in

b = V

Package Type	
V	Chassis mount
B	Board mount

cc = D1

Max Input Voltage (range)	
D1	410 Vdc (260-410)
G0	700 Vdc (400-700)

d = E

Range Ratio (Vin high / Vin low), used to define low line Vin	
E	1.6
F	1.8

ww = 51

Maximum Output Voltage (range)	
13	13 Vdc (8.1 - 12.8)
26	26 Vdc (16.3 - 25.6)
44	44 Vdc (25.0 – 43.75)
51	51 Vdc (32.5 - 51.3)

xx = 35

Maximum Output Current			
35	35A	62 / 63	62.5A
40	40A	A2 / A3	125A

y = T

Product Grade					
C	-20 to 100°C	T	-40 to 100°C	M	-55 to 100°C

zz = 00

Customer Options, Communication type and pin type for PCB mount models (any alphanumeric, non-safety related, non-inclusive list of examples)			
00	No options	09	Analog communication, long pins
01	Analog communication	10	Digital communication, long pins
02	Digital communication	13	Analog communication, extra-long pins
05	Analog communication, short pins	14	Digital communication, extra-long pins
06	Digital communication, short pins	AD	Digital communication, extra-long socket pins
		AE	Digital communication, extra-long socket pins

Test Report No: 72130438-000

Date, 2017-09-15
CB 17 08 21433 541

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Attachment to Certificate CB 17 08 21433 541

High Voltage and Ultra High Voltage VIA BCM
Model Matrix: BCMaaaabccdwwxxyzz **(cont)**

Customer Special Part Number	Equivalent Standard Part Number
BCA400B500C1K8A31	BCM4914VD1E5135C02
BCA400B500T1K8A31	BCM4914VD1E5135T02
BCA400C500C1K8A31	BCM4914BD1E5135C06
BCA400C500T1K8A31	BCM4914BD1E5135T06
BCA400G500C1K8A31	BCM4914BD1E5135C10
BCA400G500T1K8A31	BCM4914BD1E5135T10

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