



Ref. Certif. No.

DE 3 - 502351

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	Power supply 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: 50 V DC Rated Output Power: 320 W Max Rated Output Voltage: 13 V DC
Trade mark (if any)	DC-DC Converter
Customer's Testing Facility (CTF) Stage used	CTF Stage 3
Model/type Ref.	DCM3414V50M13C2T09 (3414 VIA DCM Series) (see certificate attachment for model matrix, license conditions and rating information)
Additional information (if necessary)	Certificate DE 3 – 502000 issued 2016-07-29 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	72106922-100

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, 2017-04-18
CB 17 04 21433 517

William Stinson



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

Product Service

Attachment to Certificate CB 17 04 21433 517
VIA DCM Model Number Matrix: DCMaaaabccdwxyz

Example: DCM3414V50M13C2T09

DCM = Constant

Product Function	
DCM	DC-DC Converter Module

aaaa = 3414

Package Size (Length x Width)	
3414	3.4 in x 1.4 in

b = V

Package Type	
V	Chassis mount
B	Board mount

cc = 50

Max Input Voltage	
50	50 Vdc
75	75 Vdc

d = M

Range Ratio (Vin high / Vin low), used to define low line Vin			
A	1.10	G	1.95
B	1.21	H	2.14
C	1.33	J	2.36
D	1.46	K	2.59
E	1.61	L	2.85
F	1.77	M	3.14

ww = 13

Maximum Output Voltage rounded to the nearest Volt (Vout nominal + 10% trim), any 2 digits from 00 to 60, non-inclusive list of examples below					
04	3.6 Vdc	(3.3 Vdc + 10%)	26	26.4 Vdc	(24.0 Vdc + 10%)
06	5.5 Vdc	(5.0 Vdc + 10%)	31	30.8 Vdc	(28.0 Vdc + 10%)
13	13.2 Vdc	(12.0 Vdc + 10%)	40	39.6 Vdc	(36.0 Vdc + 10%)
17	16.5 Vdc	(15.0 Vdc + 10%)	53	52.8 Vdc	(48.0 Vdc + 10%)

xx = C2

Maximum Output Power			
A6	160 W	C2	320 W
A8	180 W		

y = T

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

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VIA DCM Model Number Matrix: DCMaaaabccdwxyz

Example: DCM3414V50M13C2T09 (cont.)

zz = 09

Options (non-safety related), any alphanumeric, non-inclusive list

Option ID	Pin length	Communication	Option ID	Pin length	Communication
01	----	Analog	07	Short	Remote control
02	----	Digital PMBus	09	Long	Analog
03	----	Remote control	10	Long	Digital PMBus
05	Short	Analog	11	Long	Remote control
06	Short	Digital PMBus			

License Conditions:

The VIA DCM3414 series of DC-DC converters is designed for building-in.

Conditions of Acceptability – When installed in the end use equipment, the following are among considerations to be made:

1. The VIA output is separated from the input by basic insulation
2. The input is intended to be a TNV-2 or other non-hazardous secondary circuit, the output is considered SELV
3. See de-rating curves for maximum output power vs. case temperature
4. The VIA DCM's were evaluated with external fuse rated 30A. EATON (Cooper/Bussmann) ABC series or Littelfuse Nano2 series
5. Outputs above 240W are considered to be at a hazardous energy level

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