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America

CERTIFICATE

No. U8V 18 01 21433 564

Holder of Certificate: **Vicor Corporation**
25 Frontage Road
Andover MA 01810
USA

Production Facility(ies): 67768

Certification Mark:

Product:
Converter
DC-DC Converter

Model(s):
High Voltage VIA DCM
Model: DCM3714cddewwxxyzz
(see attachment for model nomenclature and rating information)

Parameters:

Model:DCM3714VD2H26F0T01	
Rated Input Voltage:	420 V DC max
Rated Output Voltage:	53 V DC max
Rated Output Power:	600 W max

Tested according to:
CAN/CSA C22.2 No.60950-1:2007/A2:2014
UL 60950-1:2007/A2:2014
EN 60950-1:2006/A2:2013

The product was voluntarily tested according to the relevant safety requirements noted above. It can be marked with the certification mark above. The mark must not be altered in any way. This product certification system operated by TÜV SÜD America Inc. most closely resembles system 3 as defined in ISO/IEC 17067. Certification is based on the TÜV SÜD "Testing and Certification Regulations". TÜV SÜD America Inc. is an OSHA recognized NRTL and a Standards Council of Canada accredited certification body.

Test report no.: 72106113-300

Date, 2018-01-22

710461

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25 Frontage Road
Andover, MA 01810 USA

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High Voltage VIA DCM Model Number Matrix: DCM3714cddewwxxyzz

Example: DCM3714VD2H26F0T01

DCM = Constant

Product Function	
DCM	DC-DC Converter Module

3714 = Constant

Package Designator	
3714	3.7 x 1.4 inches

c = V

Package Type	
V	Chassis mount
B	Board mount

dd = D2

Maximum Input Voltage = 1st character + 2nd character (see table below, not to exceed 420V)							
1st character		2nd character					
A	100V	0	0 V	4	40 V	8	80 V
B	200V	1	10 V	5	50 V	9	90 V
C	300V	2	20 V	6	60 V		
D	400V	3	30 V	7	70 V		
Examples: D2 = 420V (400V+20V), C0 = 300V (300V+0V), B9 = 290V (200V+90V), B7 = 270V (200V+70V)							

e = H

Range Ratio (Vin high / Vin low, defines low line)							
A	1.10	G	1.95	N	3.45	U	6.12
B	1.21	H	2.14	P	3.80	V	6.73
C	1.33	J	2.36	Q	4.18	W	7.40
D	1.46	K	2.59	R	4.60	X	8.14
E	1.61	L	2.85	S	5.05	Y	8.95
F	1.77	M	3.14	T	5.60	Z	9.85

ww = 26

Maximum Output Voltage (any 2 digits up to 60), non-inclusive list of examples	
06	6Vdc (5V nominal +10% trim)
13	13Vdc (12V nominal +10% trim)
17	17Vdc (15V nominal +10% trim)
26	26Vdc (24V nominal +10% trim)
31	31Vdc (28V nominal +10% trim)
53	53Vdc (48V nominal +10% trim)

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PEABODY TÜV SÜD PRODUCT SERVICE

TÜV®

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High Voltage VIA DCM (cont.)
Model Number Matrix: DCM3714cddewwxxyzz

xx = F0

Maximum Output Power = 1st character + 2nd character (see table below, not to exceed 600W)					
1st character		2nd character			
A	100 W	0	0 W	5	50 W
B	200 W	1	10 W	6	60 W
C	300 W	2	20 W	7	70 W
D	400 W	3	30 W	8	80 W
E	500 W	4	40 W	9	90 W
F	600 W				
Examples: F0 = 600W (600W+0W), E0 = 500W (500W+0W), D7 = 470W (400W+70W), C5 = 350W (300W+50W)					

y = T

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

zz = 01

Options (non-safety related)	
01	Any alphanumeric

License Conditions:

The High Voltage VIA DCM 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 output is separated from the input by reinforced insulation.
2. The output is considered SELV.
3. See de-rating curve for maximum output power vs. case temperature. The de-rating curves represent the maximum operating conditions of the product family. Some model numbers may be rated less than the maximum operating conditions.
4. The case must be connected to protective earth in the end application.
5. The High Voltage VIA DCMs were evaluated with an EATON (Bussmann) PC-Tron fuse rated 5A and a Littelfuse 487 series rated 8A.
6. Outputs above 240W are considered to be at a hazardous energy level.

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