



Ref. Certif. No.

DE 3 - 503374

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

CB TEST CERTIFICATE

Product

Information Technology Equipment
AC Input Power Supply Module

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

	Single Phase AIM	Three Phase AIM
Input Voltage	85-264 VAC	170-530 V AC
Frequency	47-63 Hz	47-800 Hz
Output Voltage	120-373 VpK	240-750 Vpk
Output Power	450 W Max	1650 W Max
Degree of Protection	IPX0	IPX0

Trade mark (if any)

VICOR

Customer's Testing Facility (CTF) Stage used

CTF STAGE 3

Model/type Ref.

AIM1714VB6MC7D5T00 / Single Phase AIM
TPM1714VE3MG5K7T00 / Three Phase AIM
(see page 2-3 for model matrix and License Conditions)

Additional information (if necessary)

Certificate DE 3 – 502228 issued 2017-01-13 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

72103425-200

This CB Test Certificate is issued by the National Certification Body

CB 021433 0598 Rev. 00

Date, 2019-09-06

(William J. Stinson)

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Product Service

VIA AIM Model Matrix: AAAbbbbcddeewxyzz
 Example: AIM1714VB6MC7D5T00

AAA = AIM

Product Type	
AIM	Single Phase AC Input Module
TPM	Three Phase AC Input Module

bbbb = 1714

Package Size Designator (in.)	
1714	1.7 x 1.4

c = V

Package Type	
V	Chassis mount
B	Board mount

dd = B6

Input Voltage Range	
B6	85-264Vac, 47-63Hz
E3	170-530Vac, 47-880Hz

e = M

Range Ratio (Vin high / Vin low)	
M	3.1

ww = C7

Output Voltage Range	
C7	120-373Vpk
G5	240-750Vpk

xx = D5

Maximum Output Power	
D5	450W
K7	1650W

y = T

Product Grade	
E	0 to 100°C
C	-20 to 100°C
T	-40 to 100°C
M	-55 to 100°C

zz = 00

Customer Options (non-safety related, any alpha-numeric combination)	
00	No options



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License Conditions:

The VIA AIM series of AC front end modules are 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 AIM was evaluated with an external fuse, Littelfuse 216 series rated 8A.
2. The VIA AIM is designed to be used with an external VDR for transient surge protection. Annex Q compliant Littelfuse TMOV connected from L1 to L2.
3. See de-rating curve for maximum output power versus case temperature.
4. The VIA TPM was evaluated with three external fuses, EATON KTK series rated 5A in each phase
5. The VIA TPM output is rated 1650W max or 2.31A max when mounted on a cooling surface with a max temperature of 100C
6. The VIA TPM may require an external insulator to meet creepage distances to PE Ground if chassis mounted or used with a heatsink. Henkel Bergquist Gap Pad 5000S35 or equivalent.



(William J. Stinson)