

US-Letter / 07.17

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ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ CERTIFICADO ◆ CERTIFICAT



# CERTIFICATE

No. U8V 021433 0599 Rev. 00

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

**Certification Mark:**

C US

**Product:** Information Technology Equipment  
AC Input Power Supply Module

This product was voluntarily tested to the relevant safety requirements referenced on this certificate. 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.:** 72103425-200

**Date,** 2019-09-05

( William J. Stinson )





America

# CERTIFICATE

No. U8V 021433 0599 Rev. 00

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

**Brand Name:** VICOR

**Tested according to:** CAN/CSA C22.2 No.60950-1:2007/A2:2014  
UL 60950-1:2007/R:2014-10  
EN 60950-1:2006/A2:2013

**Production Facility(ies):** 067768

## Parameters:

	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

## 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.



America

# CERTIFICATE

No. U8V 021433 0599 Rev. 00

VIA AIM Model Matrix: AAAbbbbccddeewwxyzz

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