ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

America

C E R T I F I C A T E

No. U8V 021433 0623 Rev. 00

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

Certification Mark:

Product: Audio/Video, Information and Communication technology equipment
AC to DC Converter

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.: 72164963-000

Date, 2021-04-05

(William J. Stinson)

TÜV SÜD America Inc. • 10 Centennial Drive • Peabody • MA 01960 • USA

America

C E R T I F I C A T E

No. U8V 021433 0623 Rev. 00

Model(s): **VIA PFM series**
Model: PFM4914VB6M48D0T00

Brand Name: **VICOR**

Tested according to:
CAN/CSA-C22.2 No. 62368-1:2019
UL 62368-1:2019
EN 62368-1:2014/A11:2017

Parameters:

Model: PFM4914VB6M48D0T00

Rated Input Voltage:	85 – 264 V AC (rectified)
Rated Output Voltage:	48 V DC
Rated Output Power:	400 W Max
Protection Class:	I

License Conditions:

Conditions of Acceptability – When installed in the end use equipment, the following are among considerations to be made: The VIA PFM series of AC-DC converters are designed for building-in.

1. An external bridge rectifier is required in front of the VIA PFM
2. The output is separated from the input by reinforced insulation
3. The output is considered ES1
4. The VIA PFM was evaluated over the full operating range of 85-264Vac rectified
5. See de-rating curve for maximum output power vs. case temperature
6. The case must be earthed in the end application
7. The VIA PFM was evaluated with fast acting external fuse rated 8A (Littelfuse 216 series or Bussmann S501)

TÜV SÜD America Inc. • 10 Centennial Drive • Peabody • MA 01960 • USA

America

C E R T I F I C A T E

No. U8V 021433 0623 Rev. 00

VIA PFM series
Model matrix: PFMaabbcddewwxxyzz
Example: PFM4914VB6M48D0T00

PFM = Constant

Product Function	
PFM	Power Factor Module

aa = 49

Package Length Designator	
44	4.4 inches
49	4.9 inches

bb = 14

Package Width Designator	
14	1.4 inches

c = V

Package Type	
V	Chassis mount
B	Board mount

dd = B6

Input Voltage Range	
B6	85-264 Vac

e = M

Range Ratio (Vin high / Vin low)	
M	3.1

ww = 48

Output Voltage	
24	24 Vdc
48	48 Vdc

xx = D0

Output Power, 400W max	
B0	200W
D0	400W

y = T

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

America

C E R T I F I C A T E

No. U8V 021433 0623 Rev. 00

zz = 00

Options (non-safety related) Any alphanumeric	
Pre-defined Chassis Mount models	
00	Always On
01	Analog
02	PMBus
A0	Always On Range Lock
B0	Always On 3kV Isolation Range Lock
Pre-defined PCB Mount models	
04	Short Pin / Always On
05	Short Pin / Analog
06	Short Pin / PMBus
08	Long Pin / Always On
09	Long Pin / Analog
10	Long Pin / PMBus
A4	Short Pin / Always On Range Lock
A8	Long Pin / Always On Range Lock
B4	Short Pin / Always On Range Lock 3kV Isolation Range Lock
B8	Long Pin / Always On Range Lock 3kV Isolation Range Lock

Customer Special Model Number	Equivalent Standard Model Number
PFA175B240C400A33	PFM4914VB6M24D0C00
PFA175B240T400A33	PFM4914VB6M24D0T00
PFA175B480C400A33	PFM4914VB6M48D0C00
PFA175B480T400A33	PFM4914VB6M48D0T00
PFA175C240C400A33	PFM4914BB6M24D0C04
PFA175C240T400A33	PFM4914BB6M24D0T04
PFA175C480C400A33	PFM4914BB6M48D0C04
PFA175C480T400A33	PFM4914BB6M48D0T04
PFA175G240C400A33	PFM4914BB6M24D0C08
PFA175G240T400A33	PFM4914BB6M24D0T08
PFA175G480C400A33	PFM4914BB6M48D0C08
PFA175G480T400A33	PFM4914BB6M48D0T08

TÜV SÜD America Inc. • 10 Centennial Drive • Peabody • MA 01960 • USA

TÜV®