



America

CERTIFICATE

No. U8V 14 06 21433 400

Holder of Certificate: Vicor Corporation

25 Frontage Road
Andover, MA 01810
USA

Production Facility(ies): 67768

Certification Mark:



Product: Power supply
AC-DC Converter

Model(s): FE175D480C033FP-00
VI Brick AC Front End
(See certificate attachment for model nomenclature,
license conditions and ratings.)

Parameters:

Rated Input Voltage:	85-264 V AC
Rated Frequency:	47-63 Hz
Rated Output Voltage:	48 V DC
Rated Output Wattage:	330 W Max
Protection Class:	I
Degree of Protection:	IPX0

Tested according to: CAN/CSA-C22.2 No. 60950-1/A1:2011
UL 60950-1/R:2011-12
EN 60950-1/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 anyway. This product certification system operated by TÜV SÜD America Inc. most closely resembles system 3 as defined in ISO/IEC Guide 67. 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.: DI1403857-000

Date, 2014-06-05

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VI Brick AC Front End Model Number: FEbbbDcccsxxxzy-aa

Example: FE175D480C033FP-00

FE = Constant	Front End
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bbb = Input Voltage (range) Vac	
175 (85-264)	Universal
115 (85-132)	Low Range
230 (170-265)	High Range

D = Constant	Package size (Double)
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ccc = Output Voltage Designator (can be any three digits from 000 to 480) non-inclusive list of examples below	
480	48 Vdc

s =	Product Grade	Temp Range
C	Commercial	-20 - 100 C
T	Telecom	-40 - 100 C
M	Military	-55 - 100 C

xxx = Output Power Designator, non-inclusive list of examples below			
020	200 W	003	300 W
025	250 W	033	330 W

y = Baseplate Style, any alphanumeric character, non-safety related, non-inclusive list below	
F	Slotted Flange

z = Pin Style, any alphanumeric character, non-safety related, non-inclusive list below	
P	Standard Length Through Hole

aa = Customer Reference or Revision, non-safety related, any alphanumeric character	
00	Standard Product

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License Conditions:

1. An external VDR and fuse are required in the end application. The VI Brick AC Front End was evaluated with an external Littelfuse TMOV (VDR).
2. The VI Brick AC Front End was evaluated with an external fast acting fuse rated 6.3A. Littelfuse 216P series, Bussmann S501 series, and Schurter SA series.
3. The VI Brick AC Front End provides 1500 Vac / 2121 Vdc of isolation from input/output to EMI GND/Heatsink (BI), 3000 Vac / 4242 Vdc from Input to Output (RI), and 1500 Vac / 2121 Vdc of isolation from Output to Heatsink (SI).
4. The maximum baseplate / heatsink temperature is 100°C. The heatsink may be protectively earthed or floating in the end application.
5. The Output is considered SELV.

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