



America

CERTIFICATE

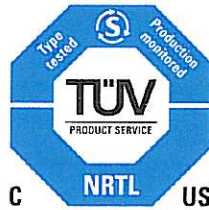
No. U8V 09 09 21433 200

Holder of Certificate: Vicor Corporation

25 Frontage Road
Andover, MA 01810
USA

Production Facility(ies): 67768

Certification Mark:



Product: DC converter
DC-DC Converter

Model(s): VI Brick BCM
BC384A120T030FP
see attachment for model nomenclature

Parameters:
 Rated Input Voltage: 384 V DC
 Rated Output Voltage: 12 V DC
 Rated Input Power: 300 W
 see attachment for additional rating information and license conditions.

Tested according to: CAN/CSA-C22.2 No. 60950-1:2003
UL 60950-1:2003
EN 60950-1:2001

The product was voluntarily tested according to the relevant safety requirements and mentioned properties. It can be marked with the certification mark shown above. The certification mark must not be altered in any way. See also notes overleaf.

Test report no.: 090-706653-100

Date, 2009-09-28

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VI Brick BCM Model Number: BCbbbAcccxxyyzz

Example: BC384A120T030FP

BC = Constant	VI Brick Buss Converter Module
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bbb = Nominal Input Voltage (range)	
048	48 Vdc (38-55)
352	352 Vdc (330-365)
384	384 Vdc (360-400)

A = Constant	Package Size (1 VI Chip)
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ccc = Output Voltage Designator							
010	1.0 Vdc	033	3.3 Vdc	090	9.0 Vdc	240	24.0 Vdc
011	1.1 Vdc	036	3.6 Vdc	096	9.6 Vdc	320	32.0 Vdc
015	1.5 Vdc	040	4.0 Vdc	110	11.0 Vdc	360	36.0 Vdc
020	2.0 Vdc	045	4.5 Vdc	120	12.0 Vdc	440	44.0 Vdc
022	2.2 Vdc	048	4.8 Vdc	125	12.5 Vdc	480	48.0 Vdc
024	2.4 Vdc	060	6.0 Vdc	137	13.7 Vdc		
030	3.0 Vdc	072	7.2 Vdc	160	16.0 Vdc		
030	3.0 Vdc	080	8.0 Vdc	180	18.0 Vdc		

x =	Product Grade	Temp Range
C	Commercial	0 - 100 C
T	Telecom	-40 - 100 C
M	Military	-55 - 100 C

yyy = Output Power Designator			
012	120 W	021	210W
014	140 W	024	240W
017	170 W	030	300W
020	200 W		

zz = Package Style
Any alphanumeric character (non-safety related)

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License Conditions:

1. The input to the BC048 modules is intended to be supplied from a TNV-2 or other secondary circuit
2. The BC048 modules provide Basic Insulation from input to output and from input to case with 2250 Vdc of isolation
3. The BC352 / BC384 modules provide RI from input to output, SI from input to case, and BI from output to case. 4242 Vdc of isolation for RI and 2121 Vdc for both BI and SI
4. The output of all modules is considered SELV
5. Outputs above 240 Watts are considered to be at a hazardous energy level
6. The high voltage input BC352 / BC384 modules provide 8 mm of creepage from input to output which is derived from 4mm input to case plus 4 mm output to case. This allows the case to be floating or grounded
7. The input of the BC352 / BC384 module must maintain 4 mm of creepage from the case and it's mounting hardware in the end application if the case is connected to earth
8. If the case of the BC352 / BC384 module is floating then the input and output connections must maintain 4mm of creepage from any mounting hardware connected to the case.
9. The maximum recommended case temperature of the BC Module is 100°C
10. Each low voltage input BC048 module should be protected by a Littelfuse Nano²Fuse rated 10A or less
11. Each high voltage input BC352 / BC384 module should be protected by a Bussman PC-Tron, rated 2.5A or SOC Type 36CFA fuse rated 3.15A or less.

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