



Product Service

CERTIFICATE

No. B 08 03 13890 426

Holder of Certificate: **Astec International Ltd.**

16 & 17/F, Lu Plaza,
2 Wing Yip St., Kwun Tong,
Kowloon
HONG KONG

Certification Mark:



Product:

**Converter
(DC-DC Converter)**

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. The certification mark must not be altered in any way. See also notes overleaf.

Test report no.:

68230721101

Valid until:

2010-12-01



Date, 2008-04-08

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Model(s): **BXB50 Series, BXB75 Series,
BXB100 Series, BXB150 Series
(See page 3 & 4 for details of model
number)**

Parameters:

Rated Input Voltage :	36-75VDC (48VDC nom); or 18-36VDC (24VDC nom);
Rated Input Current :	See page 3 & 4 for details
Rated DC Output :	See page 3 & 4 for details
Construction :	Built-in
Protection Class :	Built-in component, considered in end system
Degree of Protection against Ingress of Dust and Liquid :	IPX0
Remarks :	<ul style="list-style-type: none"> - When installing the equipment, all requirements of the mentioned standard must be fulfilled. - Functional insulation provided between input circuit and output circuit. - This converter shall be connected to a source which is isolated from mains supply by double or reinforced insulation.

Tested according to: EN 60950-1/A11:2004

Production Facility(ies): 26247, 34209

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Model	Input Voltage (DC)	Input Current	Output Voltage (DC)	Output Current
BXB50 Series – Max. Output Power 50W				
BXB50-48S3V3	36-75V	1.9A	3.3V	10A
BXB50-48S05	36-75V	1.9A	5.0V	10A
BXB50-48S12	36-75V	1.9A	12.0V	4.16A
BXB50-48S15	36-75V	1.9A	15.0V	3.33A
BXB50-24S3V3	18-36V	4.0A	3.3V	10A
BXB50-24S05	18-36V	4.0A	5.0V	10A
BXB50-24S12	18-36V	4.0A	12.0V	4.16A
BXB50-24S15	18-36V	4.0A	15.0V	3.33A
BXB75 Series – Max. Output Power 75W				
BXB75-48S3V3	36-75V	2.8A	3.3V	15A
BXB75-48S05	36-75V	2.8A	5.0V	15A
BXB75-48S12	36-75V	2.8A	12.0V	6.25A
BXB75-48S15	36-75V	2.8A	15.0V	5.0A
BXB75-48D05-3V3	36-75V	2.8A	5.0V 3.3V	15A 15A
BXB75-48D3V3-2V5	36-75V	2.8A	3.3V 2.5V	15A 15A
*BXB75-48D3V3-1V8	36-75V	2.8A	3.3V 1.8V	15A 15A
BXB75-5074	36-75V	2.8A	5.0V	15A
BXB75-24S3V3	18-36V	5.5A	3.3V	15A
BXB75-24S05	18-36V	5.5A	5.0V	15A
BXB75-24S12	18-36V	5.5A	12.0V	6.25A
BXB75-24S15	18-36V	5.5A	15.0V	5.0A
BXB75-24D05-3V3	18-36V	5.5A	5.0V 3.3V	15A 15A

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BXB100 Series – Max. Output Power 100W				
BXB100-48S3V3	36-75V	3.7A	3.3V	20A
BXB100-48S05	36-75V	3.7A	5.0V	20A
BXB100-48S12	36-75V	3.7A	12.0V	8.33A
BXB100-48S15	36-75V	3.7A	15.0V	6.67A
BXB100-5074	36-75V	3.7A	5.0V	20A
BXB100-5083	36-75V	3.7A	5.0V 3.3V 1.5V	20A 20A 2.5A
BXB100-24S3V3	18-36V	7.0A	3.3V	20A
BXB100-24S05	18-36V	7.0A	5.0V	20A
BXB100-24S12	18-36V	7.0A	12.0V	8.33A
BXB100-24S15	18-36V	7.0A	15.0V	6.67A
BXB150 Series – Max. Output Power 150W				
BXB150-48S3V3	36-75V	4.1A	3.3V	30A
BXB150-48S05	36-75V	5.8A	5.0V	30A
BXB150-48S12	36-75V	5.5A	12.0V	12.5A
BXB150-48S15	36-75V	5.5A	15.0V	10A

Remarks:

- " * " denotes that model BXB75-48D3V3-1V8 maximum total output power is 55W.
- Models BXB75-5074 and BXB100-5074 are electrically identical to models BXB75-48S05 and BXB100-48S05. The differences between the units are that the BXB75-5074 and BXB100-5074 are open frame, are required to have forced air-cooling (min. 350 lfm) and are provided with an alternate layout. Approved BXB units are encapsulated and are provided with a cover.
- Model BXB100-5083 is a triple output unit that is open frame type and must have forced air-cooling (min. 140 lfm).
- Model numbers may or may not be followed by any combination of the following suffixes:
 - H – Active high enable. Brings pin 3 high with respect to –ve input, pin 1 enables the unit.
 - L – Active low enable. Brings pin 3 low with respect to –ve input, pin 1 enables the unit.
 - F – Fast start ability. Allows unit to start within 10 ms of applying input voltage.
 - T – Reverse trim option. Polarity of the trim function is reversed (i.e. pins 6 and 8 functions are swapped).
- Model numbers may or may not be followed by any combination of alphanumeric or alphanumeric suffixes that denotes minor changes that do not affect safety.

Aufbauübersicht für Elektrogeräte und Maschinen

Data form for electrical equipment and machinery



Product Service

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Auftraggeber / Applicant 持证公司名称和地址: Astec International Ltd. 16th & 17th Floor, Lu Plaza, 2 Wing Yip St., KwunTong, Kowloon, Hong Kong

Fertigungsstätte / Production facility 生产商名称和地址: Artesyn Technologies Asia Pacific Ltd. Qi Guan Road West, Shiqi, Zhongshan City, Guangdong, People's Republic of China
Astec Electronics Company Limited. Emerson Industrial Park, Feng Tang Rd, Fu Yong Town, Bao'an District, Shenzhen City, People's Republic of China

Geräteart / Type of equipment 产品类别: DC-DC Converter

Typenbezeichnung / Type/mode 型号: BXB50 Series, BXB75 Series, BXB100 Series, BXB150 Series

Seriennr. / Serial no.: -

Nennspannung / Frequenz / Rated voltage / frequency: 电压/频率 36-75VD (48VDC nom); or 18-36VDC (24VDC nom)

Nennaufnahme / Nennstrom / Rated input power / current: 功率 Refer to technical report 68.230.7.211.01 for detail

Anschlußdaten-Hydraulik / Connection to hydraulic power: n/a

Anschlußdaten-Pneumatik / Connection to pneumatic power: n/a

Anschlußdaten-Wasser / Connection to water installation: n/a

Gewicht / weight: <18Kg

Lärmemission / noise emission (dB A): n/a

Ausführung / Construction:

Ortsfest	Stationary	<input type="checkbox"/>
Ortsveränderlich	Portable	<input type="checkbox"/>
Handgerät	Hand-held	<input type="checkbox"/>
Einbaugerät	Open-frame	<input type="checkbox"/>
	For Building-in	<input checked="" type="checkbox"/>
	PE-connection	<input type="checkbox"/>
	Double insulation	<input type="checkbox"/>
	SELV/internally powered	<input checked="" type="checkbox"/>

Schutzklasse / Protection class:

Schutzklasse I:	Schutzleiteranschluß	<input type="checkbox"/>
Schutzklasse II:	Schutzisoliert	<input type="checkbox"/>
Schutzklasse III:	Schutzkleinspannung/ interne Stromversorgung	<input checked="" type="checkbox"/>

Schutzart / Degree of protection against liquids: IP X0

Anschlußart / Supply connection:

Feste Anschlußleitung	Non detachable cord	<input type="checkbox"/>
Fester Anschluß	Permanent connection	<input type="checkbox"/>
Gerätesteckvorrichtung	Appliance inlet	<input type="checkbox"/>

Netzbetriebsart / Rated operation:

Dauerbetrieb	Continuous operation	<input checked="" type="checkbox"/>
Aussetzbetrieb	Intermittent operation	<input type="checkbox"/>
Kurzzeitbetrieb	Short time operation	<input type="checkbox"/>

Material: a) Gehäuse / Enclosure: UL94V-2 min.
b) Leiterplatten / p.c.b. UL94V-1, 130°C.

Zusätzliche Angaben für Laser, Klassifizierung nach EN 60825 / Additional information for Laser equipment, classification according to EN 60825

Klasse / Class: n/a

Wellenlänge / Wavelength: n/a

Pulsdauer / Pulse duration: n/a

Prüfbericht Nr. / Test Report No. 68.230.7.211.01



Stempel und Unterschrift des Sachverständigen /
Seal and signature of Project Manager

Ort / place: For and on behalf of Datum / date: March 11, 2008
ASTEC INTERNATIONAL LTD.

Stempel und Unterschrift des Auftraggebers /
Seal and signature of applicant

Aufbauübersicht für Elektrogeräte und Maschinen

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Sicherheitsrelevante Bauteile: (Schalter, Temperaturregler, Heizkörper, Stecker, Fassungen, Leitungen, Kondensatoren, Motoren und sonstige Wicklungen z.B. Transformatoren, Magnetspulen) (Not-Aus Geräte, 2-Handsteuerungen, Verriegelungsschalter, Sicherheits-Lichtschranken, Sicherheitsventile, Programmierbare hydraulische Steuerungen, pneumatische Steuerungen

Safety relevant components: (switch, temperature regulator, heating element, plug, socket, wiring, capacitor, motors and other components with windings e.g. transformers, coils)

(emergency off devices, 2-hand-control-devices, interlock switches, safety light barriers, safety valves, programmable electronic controllers -PLC, hydraulic controllers, pneumatic controllers

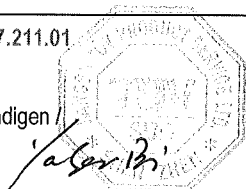


Product Service

Bauteil/ Kind of component	Hersteller/ Manufacturer	Angaben über Typ, Stromstärke, Leistung, Transformatorspezifikationsnummer, Isolationsklasse/ Information about type, current, power, transformer specification number, insulating class	Prüfzeichen von Test mark from (VDE, BSI, UL etc.)
关键零部件名称	供应商公司名	型号, 电压, 功率, 变压器规格, 绝缘等级等	认证类型
1) PCB	Various	Various, 94V-1, 130°C	UL
2) Cover	Various	Various, 94V-2	UL
3) Potting Compound	INP Industries	EGE-04-303, EGE-04-303HK, 94V-0	-

Prüfbericht Nr. / Test Report No. 68.230.7.211.01

Stempel und Unterschrift des Sachverständigen /
Seal and signature of Project Manager



Ort / place:

For and on behalf of Datum / date: March 11, 2008

ASTEC INTERNATIONAL LTD.

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Seal and signature of applicant