

AGENCY APPROVAL NOTICE

AAN No.	09533
Issue Date	October 01, 2009


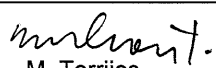
Model name	ALD10F48, ALD07A48, ALD03B48, ALD11G48, ALD13Y48, ALD15M48
Astec Internal Model name (if applicable)	

Please be informed that captioned model new modified revised additional manufacturing location construction is approved by mentioned agency and approval mark of the agency as per attached document can now be stucked on model label.

DESCRIPTION			
CSA	Astec Data Pack	<input type="checkbox"/>	SPRING Certificate <input type="checkbox"/>
	Astec Statement of Compliance	<input type="checkbox"/>	SEMKO Certificate <input type="checkbox"/>
	CSA Certification of Compliance	<input type="checkbox"/>	TUV Notification of Test Result <input type="checkbox"/>
	CSA Certification Report	<input type="checkbox"/>	(Rheinland) Certificate <input type="checkbox"/>
CCC	Certificate	<input type="checkbox"/>	Copy Answer for Revision <input type="checkbox"/>
C-TICK	Letter for Use of C-Tick Mark	<input type="checkbox"/>	TUV Type Approval Confirmation <input type="checkbox"/>
DEMKO	Certificate	<input type="checkbox"/>	(Product Services) Certificate <input checked="" type="checkbox"/>
DENAN	Certificate	<input type="checkbox"/>	UL TCP Submittal Letter <input type="checkbox"/>
FIMKO	Certificate	<input type="checkbox"/>	Authorization Letter <input type="checkbox"/>
KTL Korea	Certificate	<input type="checkbox"/>	VDE Status Report <input type="checkbox"/>
NEMKO	Status Report	<input type="checkbox"/>	Certificate <input type="checkbox"/>
	Certificate	<input type="checkbox"/>	Copy Answer for Revision <input type="checkbox"/>
NSW	Certificate	<input type="checkbox"/>	Others <input type="checkbox"/>
ASTEC	Revision Letter to VDE	<input type="checkbox"/>	CE Marking under LVD <input type="checkbox"/> under LVD & EMC <input type="checkbox"/>

DISTRIBUTION		
ACP	Project Management	Joel Zaens, Jessie Buaron, Patrick Tang, Steven Shi
	Safety Lab.	M. Torrijos, C. Gillego
	Production QA	Rosalie Bautista / Michael Sustal / Haydee Blancaflor / Arceli Gade / Shirley Lan / XJ Han/John Kong / Jun Wu / Qin Liang / Tom Zhao / Jennifer Chavez / Abram Daniel Donato / DOC-CON/AECL1 / Zhong Qiu
ASP	Safety Engg.	

AAN RECEIPT ACKNOWLEDGEMENT	
To	Product Safety Lab. (HK/Pasig/CDE)
From	Production QA () / Safety ()
ABOVE MENTIONED DOCUMENTS RECEIVED	
Signature and Date	_____

PREPARED BY
 M. Angel
REVIEWED BY
 M. Torrijos



Product Service

CERTIFICATE

No. B 09 09 51485 552

**Holder of Certificate: Astec International Limited
Philippine Branch**

3/F., Techno Plaza One Bldg.
Eastwood Cyberpark City
18 Orchard Rd, Bagumbayan
Q.C. 1110 Libis
PHILIPPINES

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. It is not permitted to alter the certification mark in any way. In addition the certification holder must not transfer the certificate to third parties. See also notes overleaf.

Test report no.: 68230804203

Date, 2009-09-30
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Product Service

CERTIFICATE

No. B 09 09 51485 552

**Model(s): ALD10F48, ALD07A48, ALD03B48,
ALD11G48, ALD13Y48, ALD15M48**

Parameters:	Rated Input : 36-75VDC, 1.18A [ALD10F48]; 36-75VDC, 1.1A [ALD07A48]; 36-75VDC, 1.3A [ALD03B48]; 36-75VDC, 1.0A [ALD11G48]; 36-75VDC, 0.9A [ALD13Y48]; 36-75VDC, 0.9A [ALD15M48]; Rated DC Output : +3.3V, 10A [ALD10F48]; +5V, 7A [ALD07A48]; +12V, 2.75A [ALD03B48]; +2.5V, 11A [ALD11G48]; +1.8V, 13A [ALD13Y48]; +1.5V, 15A [ALD15M48]; Construction : Built-in equipment Protection Class : Built-in equipment, Considered in end system Degree of Protection against Ingress of Dust and Liquid : IPX0 Remarks : 1. When installing these equipments, all requirements of the mentioned standard must be fulfilled. 2. Clearance distance was evaluated for operating altitude up to 3000m above sea level. 3. Refer to the installation and operating instruction from manufacturer for the details of loading condition and operating ambient temperature. 4. These converters are provided with basic insulation between the input and output circuits, and shall be insulated from mains by double or reinforced insulation. 5. No internal fuse is provided in the converter. For safety operation, an external fuse, with the following recommended ratings, must be employed as input line fuse before installation: - For models ALD10F48, ALD07A48; maximum 3.15A, minimum 250V, fast blow, or equivalent; - For models ALD03B48, ALD11G48; maximum 2.5A, minimum 250V, fast blow, or equivalent; - For models ALD13Y48, ALD15M48; maximum 1A, minimum 250V, fast blow, or equivalent. 6. These built-in converters are used at an end system, in which the acceptability of the usage of this converter is required to evaluate at the end system.
Tested according to:	EN 60950-1:2006
Production Facility(ies):	26247