[1] TYPE EXAMINATION CERTIFICATE

[2] Component Intended for use in Potentially Explosive Atmospheres Directive 94/9/EC

[3] Type Examination Certificate Number: **Nemko 07ATEX3058U**

[4] Equipment: **Power supply for building-in**

[5] Applicant & Manufacturer **ASTEC INTERNATIONAL LIMITED – PHILIPPINE BRANCH**

[6] Address: **3rd & 4th Floor Techno Plaza One Bldg.**
#18 Orchard Road, Eastwood City
Cyberpark, Bagumbayan,
Quezon City 1110 Philippines

[7] This component and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

[8] Nemko AS, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements that relate to the design of Category 3 equipment, which is intended for use in potentially explosive atmospheres. These Essential Health and Safety Requirements are given in Annex II to European Union Directive 94/9/EC of 23 March 1994.

[9] The examination and test results are recorded in confidential report no. 80114

[10] Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule of this certificate, has been assessed by reference to:

CENELEC EN 60079-0: 2004 and CENELEC EN 60079-15 : 2005

[11] The sign "U" placed after the certificate number indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as a basis for certification of an equipment or protective system.

[12] This TYPE EXAMINATION CERTIFICATE relates only to the design, examination and tests of the specified component in accordance to the Directive 94/9/EC.
Further requirements of the Directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.

[13] The marking of the equipment shall include the following:

Ex II 3 G Ex nAC IIC T4, Ta = –40 +70°C

Oslo 2007-04-12

Rolf Hoel
Certification Manager, Ex-products

This certificate and its schedules may only be reproduced in its entirety and without any change

Postal address: **P.O.Box 73 Blindern N-0314 OSLO, NORWAY**
Office address: **Gaustadalléen 30 0373 OSLO**
Telephone: **+47 22 96 03 30**
Fax: **+47 22 96 05 50**
Enterprise number: **NO 974404532**

Schedule

TYPE EXAMINATION CERTIFICATE No Nemko 07ATEX3058U

Description
The component is a DC/DC power supply for building in.

Technical data
DC-Inputs: 5.4A 24Vdc, +/- 20%, 14.8A 12Vdc, -4% +5%
DC-Outputs: +12V 8A, 5.1V 2A, +3.4 2A (for 24Vdc, +/-20% Vdc Input), +12V 13A, 5.1V 2A, +3.4 2A (for 12Vdc, -4% +5% Vdc Input) Maximum combined output power for 5.1Vdc and 3.4Vdc is 10.2 watts.
Ta = -40°C ≤ T_a ≤ +70°C

Type Designation
73-610-096

Report No. 80114

Descriptive documents:

Title/Description	Number	Issue	Date
PRNTG FRMT PRODUCT 73-610	417-66209060	A	2006-09-18
PLASTIC CASE 73-610-096	18366109740	01	2007-03-14
BILL OF MATERIAL	73-610-096	--	2006-10-30
PCB-DS PRI CTRL DB 73-610-096 (PCB SPECIFICATION)	042-6617340X	B	2006-10-18
PCB-ML 73-610-096 MAIN BRD (PCB SPECIFICATION)	042-6617350X	A	2006-09-26
PCB-DS MODULE DB 73-610-096 (PCB SPECIFICATION)	042-66174300B	--	2006-09-08
SCHEM SPECIFICATION 73-610-096	418-66005480	B	2006-10-27
PCB-ML 4L SEC CTRL 73-610-096	042-6617360X	B	2006-10-03
PCB-DS MODULE BRD 73-610-096	042-6617430X	A	2006-09-11
CAP, POWER SUPPLY	12P0694	--	1996-07-01
BODY, POWER SUPPLY	12P0693	--	1996-06-19

Routine Test
None

Schedule of Limitations for Utilization of the Component [11]

This apparatus DC/DC power supply is considered as an Ex component. The unit must be mounted in an enclosure that is in accordance with EN 60079-15, or one of the protections codes listed in clause 1 in EN 60079-0, and with a degree of protection at least IP54 according to EN 60529.

Essential Health and Safety Requirements
See item 10

This certificate and its schedules may only be reproduced in its entirety and without any change

Postal address: **P.O.Box 73 Blindern N-0314 OSLO, NORWAY**
Office address: **Gaustadalléen 30 0373 OSLO**
Telephone: **+47 22 96 03 30**
Fax: **+47 22 96 05 50**
Enterprise number: **NO 974404532**

SUPPLEMENT 2 TO TYPE EXAMINATION CERTIFICATE

[13] Schedule

[14] TYPE EXAMINATION CERTIFICATE No Nemko 07ATEX3058U

[15] Description of Equipment or Protective System
The Certificate is extended to include variant model 73-610-115.

Technical Data
DC-Inputs: 5.4A 24Vdc, +/- 20%
DC-Outputs: +12V 8A, +5.1V 2A, +3.4V 2A (for 24Vdc, +/-20% Vdc Input)
Maximum combined output power for 5.1Vdc and 3.4Vdc is 10.2 watts.

Ta = -40°C ≤ Ta ≤ +70°C

Type Designation
73-610-115

[16] Report No.: 148037

Descriptive Document

Number	Rev.	Date	Title/Description	Sheets
12P4843	F	02MAR10	ENCLOSURE, BODY, RIGHT, LARGE	1
12P4845	D	02MAR10	ENCLOSURE, BODY, LEFT, LARGE	1
41766212680	01	09MAR10	PRNTG FRMT PRODUCT 73-610-115	1
41766212740	01	12MAR10	PRNTG FRMTPAD-PRINT S-TYPE	1

Routine Test
None

[11] Schedule of Limitations for Utilization of the Component
The unit must be mounted in an enclosure that is in accordance with EN 60079-15, or one of the protection codes listed in Clause 1 in EN 60079-0, and with a degree of protection at least IP54 according to EN 60529.

Essential Health and Safety Requirements
See item 10

Oslo, 2010-04-28

Rolf Hoel
Certification Manager, Ex-products

This certificate may only be reproduced in its entirety and without any change, schedule included.

Postal address:
P.O.Box 73 Blindern
N-0314 OSLO, NORWAY

Office address:
Gaustadalléen 30
0373 OSLO

Telephone:
+47 22 96 03 30
Fax:
+47 22 96 05 50

Enterprise number:
NO 974404532