



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx ETL 15.0002X Issue No: 0 Certificate history:
Issue No. 0 (2015-03-24)

Status: **Current** Page 1 of 4

Date of Issue: **2015-03-24**

Applicant: **Transtector Systems**
10701 Airport Road
Hayden, ID 83835-9742
United States of America

Electrical Apparatus: **ALPU Series Data Line Protectors**
Optional accessory:

Type of Protection: **Ex nA IIC**

Marking:
1101-933: Ex nA IIC T6 Gc ; 1101-1110: Ex nA IIC T4 Gc ; 1101-935: Ex nA IIC T6 Gc ; 1101-959: Ex nA IIC T6 Gc
1101-933: -40C to +70C; 1101-1110: -40C to +65C; 1101-935: -40C to +70C; 1101-959: -40C to +70C
IECEX ETL 15.0002X

*Approved for issue on behalf of the IECEx
Certification Body:*

Don Card

Position:

Certification Officer

*Signature:
(for printed version)*

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

Intertek
3933 US Route 11 South
Cortland NY 13045-2995
United States of America





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Manufacturer: **Transtector Systems**
10701 Airport Road
Hayden, ID 83835-9742
United States of America

Additional Manufacturing
location(s):

Shenzhen Dowin Lightning Technologies Co., LTD
10F, Building A, TAK Science Park
Shenzhen, Guangdong 518132
China

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0
IEC 60079-15 : 2010 Explosive atmospheres - Part 15: Equipment protection by type of protection "n"
Edition:4

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

[US/ETL/ExTR15.0001/00](#)

Quality Assessment Report:

[GB/ITS/QAR15.0009/00](#) [GB/ITS/QAR15.0003/00](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The ALPU Series Data Line protectors are designed to protect data networks with combinations of high speed data protocols. The protection circuits utilize silicon avalanche diode technology. The unit has a cast aluminum IP54 enclosure. See Annex for manufacturer's documentation.

CONDITIONS OF CERTIFICATION: YES as shown below:

1.
Only 2 conductor, 1.628 – 2.588 mm diameter, outdoor rated (-40°C to +80°C), PVC jacketed cable with an outside diameter of 6.35 to 7.62 mm shall be used for the DC Defender.
2.
Only 8 conductor, 0.51 mm diameter, outdoor rated (-40°C to +80°C), PVC jacketed cable with an outside diameter of 6.35 to 7.62 mm shall be used for all other models.



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Additional information:

Models covered: 1101-1110 ALPU DC Defender – features DC power protection circuits;
1101-933 ALPU 10/100 PoE – features RJ-45 protection circuits for Ethernet data pairs and DC power;
1101-935 ALPU GbE – features RJ-45 protection circuits for high speed Ethernet data lines;
1101-959 ALPU GbE PoE – features lightning protection for high speed communication networks.

Equipment Ratings:

1101-1110: 60 Vdc, 15 A

1101-959: 85 Vdc, 4 A

1101-935: 6 Vdc, 4 A 1101-933: 60 Vdc, 4 A

Annex:

[IEC Ex CoC Annex.pdf](#)



IECEx Certificate of Conformity

Certificate No:	IECEx ETL 15.0002X	Issue No. 0
Annex No. 1		

Manufacturer's documents

Drawings associated with Issue 0 of this certificate:

Title:	Drawing No.:	Rev. Level:	Date:
ALPU-POE-60V-M	1101-933	L	12/4/14
ALPU-1000BT-CS-M	1101-935	H	12/4/14
ALPU-PTP-M	1101-959	J	12/4/14
DC DEFENDER 48-5	1101-1110	E	12/4/14
Installation Instructions DC Defender	1200-431	C	2/19/15
Installation Instructions ALPU	1200-463	B	2/19/15
SCHEMATIC CLAMSHELL 1000BASE-T	1800-799	A	1/17/08
SCHEMATIC ALPU CLAMSHELL POE	1800-804	A	5/28/08
SCHEM ALPU-PTP-M	1800-805	B	8/25/11
SCHEMATIC DC DEFENDER	1800-833	A	8/9/12
LABEL SERIAL/LOTTED CODE 3 PART	2003-1052	L	11/14/14
LABEL ALPU	2003-2371	B	6/3/10
LABEL DC DEFENDER 48-5	2003-2912	C	5/2/14
LABEL ALPU ETL MARK NAMEPLATE USA	2003-4058	C	3/9/15
LABEL ALPU ETL MARK NAMEPLATE CHINA	2003-4059	C	3/9/15
LABEL CAUTION SEE INSTALL MANUAL	2003-4064	B	3/9/15
LABEL ALPU 1101-933 HAZARDOUS LOCATION MARKING	2003-4070	B	3/9/15

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Title:	Drawing No.:	Rev. Level:	Date:
LABEL ALPU 1101-935 HAZARDOUS LOCATION MARKING	2003-4071	B	3/9/15
LABEL ALPU 1101-959 HAZARDOUS LOCATION MARKING	2003-4072	B	3/9/15
LABEL ALPU 1101-1110 HAZARDOUS LOCATION MARKING	2003-4073	B	3/9/15
ALPU ALUMINUM TOP COVER	2004-149-AL	D	6/21/10
ALPU ALUMINUM BOTTOM COVER	2004-173	F	12/18/14
ALPU HOUSING (CAST AND MACHINED) LOWER	2004-222	C	11/3/14
ALPU COVER (CAST AND MACHINED)	2004-223	C	11/26/14
PCB CLAMSHELL 1000BASE-T	2200-485	B	2/1/11
PCB ASSY ALPU SSM 60V	2250-875	G	7/25/13
PCB ASSY 1000BASE-T CLAM	2250-888	D	3/23/10
PCB ASSY DC DEFENDER 48-5	2250-1034	C	5/2/14
ASSY PCB 2250-1049	2250-1049	B	9/26/13
ALPU ENCLOSURE SEAL	4001-0062	C	3/4/15

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