



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 14.0048X Issue No: 0 Certificate history:
Issue No. 0 (2015-03-24)

Status: **Current** Page 1 of 3

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

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

Electrical Apparatus: **AC Din Rail Mounted Surge Protector Device (SPD)**
Optional accessory:

Type of Protection: **Ex nA**

Marking:
Ex nA IIC T5 Gc
-40 ° C ≤ Ta ≤ +80°C
IECEX ETL 14.0048X

*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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Date of Issue: 2015-03-24 Page 2 of 3
Manufacturer: **Transtector Systems**
10701 Airport Drive
Hayden, ID 83835-9742
United States of America

Additional Manufacturing
location(s):

Shenzhen Dowin Lighting 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/ExTR14.0052/00](#)

Quality Assessment Report:

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



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

AC Din Rail Mounted Surge Protector Device (SPD) model I²R IEP 240-10 is used to protect 240 Vac power supplies from over-voltage caused by transients. The SPD features a replaceable suppression module with bidirectional SASD suppression technology and is intended for installation on the load side of the service equipment over current device. The SPD is installed in a parallel with the load. The replaceable SPD module features visual status indication. Electrically isolated Form C dry contacts provide remote monitoring capability.

Nominal Operating Voltage: Un = 240Vac, Maximum Continuous Operating Voltage: Uc = 300Vac, Discharge Surge Current (8x20 μ s): In = 5kA, I_{max} = 10kA, Voltage Protection Level (6kV/3kA/8x20 μ s): Up \leq 900V

Note: See Annex for Manufacturer's Documents

CONDITIONS OF CERTIFICATION: YES as shown below:

Equipment must be placed within an IECEx-certified, tool-secured, IP54-rated enclosure.

Annex:

[Annex doc for IEC Ex C of C or TR Transtector.pdf](#)



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Annex No. 1		

Manufacturer's documents

Drawings associated with Issue 0 of this certificate:

Title:	Drawing No.:	Rev. Level:	Date:
Installation Instructions	1104-15-020-M	C	1/13/15
LABEL I2R ATEX/IECEX HAZARDOUS LOCATION MARKING	2003-4075	A	12/19/14
LABELING PRINT I2R IEP 240-10	1104-15-020-L	A	10/18/13
LABEL SERIAL/LOTTED CODE 3 PART	2003-1052	L	11/14/14
LABEL CAUTION SEE INSTALL MANUAL	2003-4064	B	3/9/15
TOP ASSEMBLY 12R IEP 240-10	1104-15-020	B	03/09/15
YD40K-A2	201307	A	2014.3.24
SPRING	115206	D	2014.2.28
SPD SEAT	121116	D	2011.9.7
SPD COVER	121117	D	2011.9.7
MOV COVER	121124	D	2011.9.7
SPRING	121212	B	2002.10.26
MICROSWITCH SPRING	121214	C	2008.1.8
ELECTRODE SLIDE	121274	C	2014.2.28
ELECTRODE BLADE	121275	C	2009.4.20
CLEAR WINDOW	182091	A	2007.9.29
INDICATOR	182194	B	2011.9.7
PAD	182195	B	2011.9.8
LEFT ELECTRODE	182303	B	2011.9.8
RIGHT ELECTRODE	182304	A	2010.6.7
TVS LOW TEMPERATURE ELECTRODE	182352	A	2011.9.8
TVS ELECTRODE	182354	A	2011.9.8
TVS ELECTRODE BLOCK	182355	A	2011.9.8

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Title:	Drawing No.:	Rev. Level:	Date:
TVS ELECTRODE	182359	A	2011.9.8
SEAT ELECTRODE	182360	A	2011.9.8
SPRING	182385	A	2012.2.6
SPRING ELECTRODE	182442	A	2013.11.18
HIGH TEMPERATURE ELECTROED	182443	A	2013.11.18
TVS SPRING ELECTRODE PLATE	182444	B	2014.3.4
MOV BOX	185069	A	2013.11.18
ROTATING PIECE	185070	A	2013.11.18
SPECIFICATION SUPPRESSOR CELLS	1400-277	U	2/1/10
I2R IEP 240-10 HAZARDOUS LOCATION BOM	1104-15-020-HAZ	A	03/20/15

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