



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 14.0041X 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 Drive
Hayden, ID 83835
United States of America

Electrical Apparatus: **Data Line Protectors -CPX Series**
Optional accessory:

Type of Protection: **Non arcing- "nA"; Hermetically Sealed- "nC"**

Marking:
For Models 1000-1402; 1000-1405 and 1000-1464:
Ex nA IIC T6 Gc
For Models 1000-1117; 1000-1268; 1000-1269 and 1000-1270:
Ex nA nC IIC T6 Gc
Tamb: -40°C to +65°C
IECEX ETL 14.0041X

*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 Drive
Hayden, ID 83835
United States of America

Additional Manufacturing
location(s):

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/ExTR14.0048/00](#)

Quality Assessment Report:

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



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The product covered by this report is CPX Series data line surge suppressors. The product is intended for use on data, POE or DC Power Circuits with maximum operating voltages not to exceed 65V. The CPX DC Defender shall be used for DC Circuits of the voltage indicated by front panel silkscreen, whether $\pm 24\text{VDC}$ or $\pm 48\text{VDC}$. Units with $\pm 48\text{VDC}$ rating shall not exceed $\pm 65\text{VDC}$. Units with $\pm 24\text{VDC}$ shall not exceed ± 39 . The maximum operating current shall not exceed 15A. See Table below. All models are intended to be installed inside suitably approved enclosure. Enclosure is not part of this certification.

Model Similarity: The 1000-1268, 1000-1269 and 1000-1270 have identical components. The 1000-1268 and 1000-1269 have 2 sets protecting 2 pair of wires whereas the 1000-1270 has 4 sets of components protecting 4 pair of wires (refer schematic 1800-807). The 1000-1405 and 1000-1464 are identical except for the surge elements VZ1, VZ2, VZ3. The elements are for 24VDC, 1000-1464 or 48VDC, 1000-1405 (Refer Schematic 1800-854 and 1800-1012). The other two units, 1000-1117 and 1000-1402, are only similar mechanically.

See additional page for further product information.

CONDITIONS OF CERTIFICATION: YES as shown below:

1. The equipment shall be installed in a tool secured IECEx certified enclosure or in a tool secured enclosure that provides a degree of protection not less than IP 54 in accordance with IEC 60079-15.
2. The equipment shall only be used in an area of not more than pollution degree 2, as defined in IEC 60664-1.
3. To avoid risk of electric shock, end user shall properly ground the enclosure in which CPX models will be installed. End user shall check "Earth continuity" after Grounding.



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EQUIPMENT (continued):

See Table below:

Model Name	Model Number	Max. Continuous Operating Voltage	Power Source
CPX 10/100Base-T	1000-1268	11VDC	Powered through RJ45 Cable
CPX T1/E1	1000-1269	11VDC	
CPX 1000Base-T	1000-1270	11VDC	
CPX 10/100Base-T/PoE	1000-1402	60VDC	
CPX 1000Base-T/PoE	1000-1117	70VDC	
CPX DC Defender 48V	1000-1405	65VDC	Powered through 48VDC external source
CPX DC Defender 24V	1000-1464	39VDC	Powered through 24VDC external source

Models 1000-1117; 1000-1268; 1000-1269 and 1000-1270 have hermetically sealed Gas Discharge Tubes (GDTs) in them. These models are protected by protection code "nA nC". All other models are protected by "nA" protection.

See Annex 1 for Manufacturer's Documentation

Annex:

[Annex for COC IECEx ETL 14.0041X.pdf](#)



IECEx Certificate of Conformity

Certificate No:	IEC Ex ETL 14.0041X/00	Issue No. 0
Annex No. 1		

Manufacturer's documents

Drawings associated with Issue 0 of this certificate:

Title:	Drawing No.:	Rev. Level:
CPX GbE/ PoE MODULE	1000-1117-C 1000-1117	E F
CPX SERIES 10/100BASE-T PROTECTION MODULE	1000-1268-C 1000-1268	B E
CPX SERIES T1/E1 PROTECTION MODULE	1000-1269-C 1000-1269	B F
CPX SERIES 1000BASE-T PROTECTION MODULE	1000-1270-C 1000-1270	B F
CPX-PoE	1000-1402-C 1000-1402	C C
CPX DC DEFENDER 48-5	1000-1405-C 1000-1405	G D
CPX DC DEFENDER 24	1000-1464-C 1000-1464	C B
SCHEMATIC & TESTING 1000-1402	1000-1402-B	A
SCHEMATIC CPX SERIES	1800-807	C
SCHEMATIC CPX DC DEFENDER 24	1800-854	B
SCHEMATIC CPX DC DEFENDER 48-5	1800-1012	A
SCHEMATIC CPX GbE PoE MODULE	1800-1024	D
PCB ASSY CPX 10/100BASE-T PROTECTION MODULE	2250-916	F
PCB ASSY CPX T1/E1 PROTECTION MODULE	2250-917	E
PCB ASSY CPX 1000BASE-T PROTECTION MODULE	2250-918	F
PCB ASSY CPX DC DEFENDER 48-5	2250-1040	A
ASSY PCB 1000-1402	2250-1046	B
PCB ASSY CPX GbE PoE MODULE	2250-1076	C

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Title:	Drawing No.:	Rev. Level:
PCB ASSY CPX DC DEFENDER 24	2250-1084	A
LABEL WHITE SERIAL LABEL STOCK LBR 4X 1 2 MIL MATTE	2003-862-14	C
LABEL SERIAL/ LOTTED CODE 3 PART	2003-1052	L
LABEL BL SIL 05X5	2003-4067	A
LABEL BL SIL 2.75X.9375	6060-0230	D
LABEL CPX HAZARDOUS LOCATION MARKING	2003-4063	B
LABEL CAUTION SEE INSTALL MANUAL	2003-4064	B

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