

# Certificate of Compliance

**Certificate:** 2444819

**Master Contract:** 226037

**Project:** 2444819

**Date Issued:** August 24, 2011

**Issued to:** TRACO Electronic AG

Jenatschstrasse 1  
Zurich, Zurich 8027  
Switzerland  
Attention: Peder Arpagaus

*The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.*



*Eric Fortier*

**Issued by:** Eric Fortier, Eng.

## PRODUCTS

**CLASS 5311 91** - POWER SUPPLIES - Component Type(UL 60950-1-2nd Ed)Certified to U.S.Stds

**CLASS 5311 11** - POWER SUPPLIES - Component Type(CSA 60950-1-07-2nd Ed)

Component type DC/DC Converter\*, Class III, Max power 1.2W, models and rating as follow ;

Model/Type reference	Input voltage (Vdc)	Input current (mA <sub>dc</sub> )	Output voltage (Vdc)	Output current (mA <sub>dc</sub> )
TRA 1-0511	5	240	5	200
TRA 1-0519	5	240	9	110
TRA 1-0512	5	240	12	84
TRA 1-0513	5	240	15	67
TRA 1-0521	5	240	±5	±100
TRA 1-0529	5	240	±9	±56
TRA 1-0522	5	240	±12	±42
TRA 1-0523	5	240	±15	±34
TRA 1-1211	12	100	5	200



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TRA 1-1219	12	100	9	110
TRA 1-1212	12	100	12	84
TRA 1-1213	12	100	15	67
TRA 1-1221	12	100	±5	±100
TRA 1-1229	12	100	±9	±56
TRA 1-1222	12	100	±12	±42
TRA 1-1223	12	100	±15	±34
TRA 1-2411	24	50	5	200
TRA 1-2419	24	50	9	110
TRA 1-2412	24	50	12	84
TRA 1-2413	24	50	15	67
TRA 1-2421	24	50	±5	±100
TRA 1-2429	24	50	±9	±56
TRA 1-2422	24	50	±12	±42
TRA 1-2423	24	50	±15	±34
TRV 1-0511	5	230	5	200
TRV 1-0519	5	230	9	110
TRV 1-0512	5	230	12	84
TRV 1-0513	5	230	15	67
TRV 1-1211	12	100	5	200
TRV 1-1219	12	100	9	110
TRV 1-1212	12	100	12	84
TRV 1-1213	12	100	15	67
TRV 1-2411	24	50	5	200
TRV 1-2419	24	50	9	110
TRV 1-2412	24	50	12	84
TRV 1-2413	24	50	15	67

Note:

(\*)These products have been certified as components where the suitability of the combination with the end use product shall be re-evaluated.

**BI-NAT CSA 60950-1-03/UL 60950-1, 1st Edition DESIGN MANUAL,**

**Version 2.2 IS AN INTEGRAL PART OF THIS REPORT**

**APPLICABLE REQUIREMENTS**

CAN/CSA-C22.2 No. 60950-1-07 - Information Technology Equipment – Safety – Part 1: General Requirements.



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UL Std. 60950-1 (2nd Edition) - Information Technology Equipment – Safety – Part 1: General Requirements.



## *Supplement to Certificate of Compliance*

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*The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.*

### **Product Certification History**

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<b>Project</b>	<b>Date</b>	<b>Description</b>
2444819	August 24, 2011	c/CSA/us original certification of 2 series of DC/DC converter under the ITE stds.