

# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20180410-E188913  
**Report Reference** E188913-20160503  
**Issue Date** 2018-APRIL-10


**Issued to:** TRACO ELECTRONIC AG  
Sihlbruggstrasse 111  
CH-6340 Baar, SWITZERLAND

**This is to certify that  
representative samples of** POWER SUPPLIES, MEDICAL AND DENTAL -  
COMPONENT  
See Addendum Page for Models

Have been investigated by UL in accordance with the  
Standard(s) indicated on this Certificate.

**Standard(s) for Safety:** See Addendum for Standards  
**Additional Information:** See the UL Online Certifications Directory at  
[www.ul.com/database](http://www.ul.com/database) for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's  
Certification and Follow-Up Service.

The UL Recognized Component Mark generally consists of the manufacturer's identification and catalog  
number, model number or other product designation as specified under "Marking" for the particular  
Recognition as published in the appropriate UL Directory. As a supplementary means of identifying products  
that have been produced under UL's Component Recognition Program, UL's Recognized Component Mark:  
 may be used in conjunction with the required Recognized Marks. The Recognized Component Mark is  
required when specified in the UL Directory preceding the recognitions or under "Markings" for the individual  
recognitions.

Recognized components are incomplete in certain constructional features or restricted in performance  
capabilities and are intended for use as components of complete equipment submitted for investigation rather  
than for direct separate installation in the field. The final acceptance of the component is dependent upon its  
installation and use in complete equipment submitted to UL LLC.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program  
UL LLC

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This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

**Standard(s) for Safety** - ANSI/AAMI ES60601-1 (2005/(R)2012 + A1:2012, C1:2009/(R)2012 + A2:2010/(R)2012) (Medical Electrical Equipment - Part 1: General Requirements for Basic Safety and Essential Performance)  
CAN/CSA-C22.2 No. 60601-1:14 (Medical electrical equipment - Part 1: General requirements for basic safety and essential performance)

**Models** - TPP 15-103BA-Jzzzzzzzz, TPP 15-105BA-Jzzzzzzzz, TPP 15-107BA-Jzzzzzzzz, TPP 15-109BA-Jzzzzzzzz, TPP 15-112BA-Jzzzzzzzz, TPP 15-115BA-Jzzzzzzzz, TPP 15-118BA-Jzzzzzzzz, TPP 15-124BA-Jzzzzzzzz, TPP 15-128BA-Jzzzzzzzz, TPP 15-136BA-Jzzzzzzzz, TPP 15-148BA-Jzzzzzzzz, TPP 15-153BA-Jzzzzzzzz, TPP 15-103Bazzzzzzzz, TPP 15-105Bazzzzzzzz, TPP 15-107Bazzzzzzzz, TPP 15-109Bazzzzzzzz, TPP 15-112Bazzzzzzzz, TPP 15-115Bazzzzzzzz, TPP 15-118Bazzzzzzzz, TPP 15-124Bazzzzzzzz, TPP 15-128Bazzzzzzzz, TPP 15-136Bazzzzzzzz, TPP 15-148Bazzzzzzzz, TPP 15-153Bazzzzzzzz, TPP 15-103BA-Mzzzzzzzz, TPP 15-105BA-Mzzzzzzzz, TPP 15-107BA-Mzzzzzzzz, TPP 15-109BA-Mzzzzzzzz, TPP 15-112BA-Mzzzzzzzz, TPP 15-115BA-Mzzzzzzzz, TPP 15-118BA-Mzzzzzzzz, TPP 15-124BA-Mzzzzzzzz, TPP 15-128BA-Mzzzzzzzz, TPP 15-136BA-Mzzzzzzzz, TPP 15-148BA-Mzzzzzzzz, TPP 15-153BA-Mzzzzzzzz, TPP 15-103A-Jzzzzzzzz, TPP 15-105A-Jzzzzzzzz, TPP 15-107A-Jzzzzzzzz, TPP 15-109A-Jzzzzzzzz, TPP 15-112A-Jzzzzzzzz, TPP 15-115A-Jzzzzzzzz, TPP 15-118A-Jzzzzzzzz, TPP 15-124A-Jzzzzzzzz, TPP 15-128A-Jzzzzzzzz, TPP 15-136A-Jzzzzzzzz, TPP 15-148A-Jzzzzzzzz, TPP 15-153A-Jzzzzzzzz, TPP 15-103-Jzzzzzzzz, TPP 15-105-Jzzzzzzzz, TPP 15-107-Jzzzzzzzz, TPP 15-109-Jzzzzzzzz, TPP 15-112-Jzzzzzzzz, TPP 15-115-Jzzzzzzzz, TPP 15-118-Jzzzzzzzz, TPP 15-124-Jzzzzzzzz, TPP 15-128-Jzzzzzzzz, TPP 15-136-Jzzzzzzzz, TPP 15-148-Jzzzzzzzz, TPP 15-153-Jzzzzzzzz, TPP 15-103zzzzzzzz, TPP 15-105zzzzzzzz, TPP 15-107zzzzzzzz, TPP 15-109zzzzzzzz, TPP 15-112zzzzzzzz, TPP 15-115zzzzzzzz, TPP 15-118zzzzzzzz, TPP 15-124zzzzzzzz, TPP 15-128zzzzzzzz, TPP 15-136zzzzzzzz, TPP 15-148zzzzzzzz, TPP 15-153zzzzzzzz, TPP 15-103A-Mzzzzzzzz, TPP 15-105A-Mzzzzzzzz, TPP 15-107A-Mzzzzzzzz, TPP 15-109A-Mzzzzzzzz, TPP 15-112A-Mzzzzzzzz, TPP 15-115A-Mzzzzzzzz, TPP 15-118A-Mzzzzzzzz, TPP 15-124A-Mzzzzzzzz, TPP 15-128A-Mzzzzzzzz, TPP 15-136A-Mzzzzzzzz, TPP 15-148A-Mzzzzzzzz, TPP 15-153A-Mzzzzzzzz, TPP 15-103-Mzzzzzzzz, TPP 15-105-Mzzzzzzzz, TPP 15-107-Mzzzzzzzz, TPP 15-109-Mzzzzzzzz, TPP 15-112-Mzzzzzzzz, TPP 15-115-Mzzzzzzzz, TPP 15-118-Mzzzzzzzz, TPP 15-124-Mzzzzzzzz, TPP 15-128-Mzzzzzzzz, TPP 15-136-Mzzzzzzzz, TPP 15-148-Mzzzzzzzz, TPP 15-153-Mzzzzzzzz, TPP 15-103B-Mzzzzzzzz, TPP 15-105B-Mzzzzzzzz, TPP 15-107B-Mzzzzzzzz, TPP 15-109B-Mzzzzzzzz, TPP 15-112B-Mzzzzzzzz, TPP 15-115B-Mzzzzzzzz, TPP 15-118B-Mzzzzzzzz, TPP 15-124B-Mzzzzzzzz, TPP 15-128B-Mzzzzzzzz, TPP 15-136B-Mzzzzzzzz, TPP 15-148B-Mzzzzzzzz, TPP 15-153B-Mzzzzzzzz, TPP 15-103A-Dzzzzzzzz, TPP 15-105A-Dzzzzzzzz, TPP 15-107A-Dzzzzzzzz, TPP 15-109A-Dzzzzzzzz, TPP 15-112A-Dzzzzzzzz, TPP 15-115A-Dzzzzzzzz, TPP 15-118A-Dzzzzzzzz, TPP 15-124A-Dzzzzzzzz, TPP 15-128A-Dzzzzzzzz, TPP 15-136A-Dzzzzzzzz, TPP 15-148A-Dzzzzzzzz, TPP 15-153A-Dzzzzzzzz, TPP 15-103-Dzzzzzzzz, TPP 15-105-Dzzzzzzzz, TPP 15-107-Dzzzzzzzz, TPP 15-109-Dzzzzzzzz, TPP 15-112-Dzzzzzzzz, TPP 15-115-Dzzzzzzzz, TPP 15-118-Dzzzzzzzz, TPP 15-124-Dzzzzzzzz, TPP 15-128-Dzzzzzzzz, TPP 15-136-Dzzzzzzzz, TPP 15-148-Dzzzzzzzz, TPP 15-153-Dzzzzzzzz, TPP 15-103A2-Jzzzzzzzz, TPP 15-105A2-Jzzzzzzzz, TPP 15-107A2-Jzzzzzzzz, TPP 15-109A2-Jzzzzzzzz, TPP 15-

*B. Mahrenholz*

Bruce Mahrenholz, Director North American Certification Program

UL LLC

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**Report Reference** E188913-20160503  
**Issue Date** 2018-APRIL-10

TIM 2-2423zzzzzzzz, TIM 2-4810zzzzzzzz, TIM 2-4811zzzzzzzz, TIM 2-4819zzzzzzzz, TIM 2-4812zzzzzzzz, TIM 2-4813zzzzzzzz, TIM 2-4815zzzzzzzz, TIM 2-4822zzzzzzzz, TIM 2-4823zzzzzzzz, TIM 2-0910SMzzzzzzzz, TIM 2-0911SMzzzzzzzz, TIM 2-0919SMzzzzzzzz, TIM 2-0912SMzzzzzzzz, TIM 2-0913SMzzzzzzzz, TIM 2-0915SMzzzzzzzz, TIM 2-0922SMzzzzzzzz, TIM 2-0923SMzzzzzzzz, TIM 2-1210SMzzzzzzzz, TIM 2-1211SMzzzzzzzz, TIM 2-1219SMzzzzzzzz, TIM 2-1212SMzzzzzzzz, TIM 2-1213SMzzzzzzzz, TIM 2-1215SMzzzzzzzz, TIM 2-1222SMzzzzzzzz, TIM 2-1223SMzzzzzzzz, TIM 2-2410SMzzzzzzzz, TIM 2-2411SMzzzzzzzz, TIM 2-2419SMzzzzzzzz, TIM 2-2412SMzzzzzzzz, TIM 2-2413SMzzzzzzzz, TIM 2-2415SMzzzzzzzz, TIM 2-2422SMzzzzzzzz, TIM 2-2423SMzzzzzzzz, TIM 2-4810SMzzzzzzzz, TIM 2-4811SMzzzzzzzz, TIM 2-4819SMzzzzzzzz, TIM 2-4812SMzzzzzzzz, TIM 2-4813SMzzzzzzzz, TIM 2-4815SMzzzzzzzz, TIM 2-4822SMzzzzzzzz, TIM 2-4823SMzzzzzzzz, TIM 3.5-0911zzzzzzzz, TIM 3.5-0919zzzzzzzz, TIM 3.5-0912zzzzzzzz, TIM 3.5-0913zzzzzzzz, TIM 3.5-0915zzzzzzzz, TIM 3.5-0922zzzzzzzz, TIM 3.5-0923zzzzzzzz, TIM 3.5-1211zzzzzzzz, TIM 3.5-1219zzzzzzzz, TIM 3.5-1212zzzzzzzz, TIM 3.5-1213zzzzzzzz, TIM 3.5-1215zzzzzzzz, TIM 3.5-1222zzzzzzzz, TIM 3.5-1223zzzzzzzz, TIM 3.5-2411zzzzzzzz, TIM 3.5-2419zzzzzzzz, TIM 3.5-2412zzzzzzzz, TIM 3.5-2413zzzzzzzz, TIM 3.5-2415zzzzzzzz, TIM 3.5-2422zzzzzzzz, TIM 3.5-2423zzzzzzzz, TIM 3.5-4811zzzzzzzz, TIM 3.5-4819zzzzzzzz, TIM 3.5-4812zzzzzzzz, TIM 3.5-4813zzzzzzzz, TIM 3.5-4815zzzzzzzz, TIM 3.5-4822zzzzzzzz, TIM 3.5-4823zzzzzzzz, TIM 3.5-0911SMzzzzzzzz, TIM 3.5-0919SMzzzzzzzz, TIM 3.5-0912SMzzzzzzzz, TIM 3.5-0913SMzzzzzzzz, TIM 3.5-0915SMzzzzzzzz, TIM 3.5-0922SMzzzzzzzz, TIM 3.5-0923SMzzzzzzzz, TIM 3.5-1211SMzzzzzzzz, TIM 3.5-1219SMzzzzzzzz, TIM 3.5-1212SMzzzzzzzz, TIM 3.5-1213SMzzzzzzzz, TIM 3.5-1215SMzzzzzzzz, TIM 3.5-1222SMzzzzzzzz, TIM 3.5-1223SMzzzzzzzz, TIM 3.5-2411SMzzzzzzzz, TIM 3.5-2419SMzzzzzzzz, TIM 3.5-2412SMzzzzzzzz, TIM 3.5-2413SMzzzzzzzz, TIM 3.5-2415SMzzzzzzzz, TIM 3.5-2422SMzzzzzzzz, TIM 3.5-2423SMzzzzzzzz, TIM 3.5-4811SMzzzzzzzz, TIM 3.5-4819SMzzzzzzzz, TIM 3.5-4812SMzzzzzzzz, TIM 3.5-4813SMzzzzzzzz, TIM 3.5-4815SMzzzzzzzz, TIM 3.5-4822SMzzzzzzzz, TIM 3.5-4823SMzzzzzzzz

TPP 450-112A-MB4zzzzzzzz, TPP 450-115A-MB4zzzzzzzz, TPP 450-124A-MB4zzzzzzzz, TPP 450-128A-MB4zzzzzzzz, TPP 450-136A-MB4zzzzzzzz, TPP 450-148A-MB4zzzzzzzz, TPP 450-153A-MB4zzzzzzzz, TPP 450-112A-Mzzzzzzzz, TPP 450-115A-Mzzzzzzzz, TPP 450-124A-Mzzzzzzzz, TPP 450-128A-Mzzzzzzzz, TPP 450-136A-Mzzzzzzzz, TPP 450-148A-Mzzzzzzzz, TPP 450-153A-Mzzzzzzzz, TPP 450-112-MB3zzzzzzzz, TPP 450-115-MB3zzzzzzzz, TPP 450-124-MB3zzzzzzzz, TPP 450-128-MB3zzzzzzzz, TPP 450-136-MB3zzzzzzzz, TPP 450-148-MB3zzzzzzzz, TPP 450-153-MB3zzzzzzzz, TPP 450-112-MB2zzzzzzzz, TPP 450-115-MB2zzzzzzzz, TPP 450-124-MB2zzzzzzzz, TPP 450-128-MB2zzzzzzzz, TPP 450-136-MB2zzzzzzzz, TPP 450-148-MB2zzzzzzzz, TPP 450-153-MB2zzzzzzzz, TPP 450-112-MB1zzzzzzzz, TPP 450-115-MB1zzzzzzzz, TPP 450-124-MB1zzzzzzzz, TPP 450-128-MB1zzzzzzzz, TPP 450-136-MB1zzzzzzzz, TPP 450-148-MB1zzzzzzzz, TPP 450-153-MB1zzzzzzzz, TPP 450-112-Mzzzzzzzz, TPP 450-115-Mzzzzzzzz, TPP 450-124-Mzzzzzzzz, TPP 450-128-Mzzzzzzzz, TPP 450-136-Mzzzzzzzz, TPP 450-148-Mzzzzzzzz, TPP 450-153-Mzzzzzzzz, TPP 450-112-MB6zzzzzzzz, TPP 450-115-MB6zzzzzzzz, TPP 450-124-MB6zzzzzzzz, TPP 450-128-MB6zzzzzzzz, TPP 450-136-MB6zzzzzzzz, TPP 450-148-MB6zzzzzzzz, TPP 450-153-MB6zzzzzzzz, TPP 450-112-MB5zzzzzzzz, TPP 450-115-MB5zzzzzzzz, TPP 450-124-MB5zzzzzzzz, TPP 450-128-MB5zzzzzzzz, TPP 450-136-MB5zzzzzzzz, TPP 450-148-MB5zzzzzzzz, TPP 450-153-MB5zzzzzzzz

Where: "z" may be any alphanumeric character, "-" or blank for market purpose.

*B. Mahrenholz*

Bruce Mahrenholz, Director North American Certification Program

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