

Certificate Number: 090318X2-A56

Date: 2019-07-12

## UL CONDITIONS OF ACCEPTABILITY

**Company Name:** TRACO ELECTRONIC AG

**File-CCN: E188913-QQGQ2/8**

### Product Description: AC/DC Power Supply

**Models:** TPP 450-112A-MB4zzzzzzzzz, TPP 450-115A-MB4zzzzzzzzz, TPP 450-118A-MB4zzzzzzzzz, TPP 450-124A-MB4zzzzzzzzz, TPP 450-128A-MB4zzzzzzzzz, TPP 450-136A-MB4zzzzzzzzz, TPP 450-142A-MB4zzzzzzzzz, TPP 450-148A-MB4zzzzzzzzz, TPP 450-153A-MB4zzzzzzzzz, TPP 450-112A-Mzzzzzzzzz, TPP 450-115A-Mzzzzzzzzz, TPP 450-118A-Mzzzzzzzzz, TPP 450-124A-Mzzzzzzzzz, TPP 450-128A-Mzzzzzzzzz, TPP 450-136A-Mzzzzzzzzz, TPP 450-142A-Mzzzzzzzzz, TPP 450-148A-Mzzzzzzzzz, TPP 450-153A-Mzzzzzzzzz, TPP 450-112-MB5zzzzzzzzz, TPP 450-115-MB5zzzzzzzzz, TPP 450-118-MB5zzzzzzzzz, TPP 450-124-MB5zzzzzzzzz, TPP 450-128-MB5zzzzzzzzz, TPP 450-136-MB5zzzzzzzzz, TPP 450-142-MB5zzzzzzzzz, TPP 450-148-MB5zzzzzzzzz, TPP 450-153-MB5zzzzzzzzz, TPP 450-112-MB6zzzzzzzzz, TPP 450-115-MB6zzzzzzzzz, TPP 450-118-MB6zzzzzzzzz, TPP 450-124-MB6zzzzzzzzz, TPP 450-128-MB6zzzzzzzzz, TPP 450-136-MB6zzzzzzzzz, TPP 450-142-MB6zzzzzzzzz, TPP 450-148-MB6zzzzzzzzz, TPP 450-153-MB6zzzzzzzzz, TPP 450-112-MB3zzzzzzzzz, TPP 450-115-MB3zzzzzzzzz, TPP 450-118-MB3zzzzzzzzz, TPP 450-124-MB3zzzzzzzzz, TPP 450-128-MB3zzzzzzzzz, TPP 450-136-MB3zzzzzzzzz, TPP 450-142-MB3zzzzzzzzz, TPP 450-148-MB3zzzzzzzzz, TPP 450-153-MB3zzzzzzzzz, TPP 450-112-MB1zzzzzzzzz, TPP 450-115-MB1zzzzzzzzz, TPP 450-118-MB1zzzzzzzzz, TPP 450-124-MB1zzzzzzzzz, TPP 450-128-MB1zzzzzzzzz, TPP 450-136-MB1zzzzzzzzz, TPP 450-142-MB1zzzzzzzzz, TPP 450-148-MB1zzzzzzzzz, TPP 450-153-MB1zzzzzzzzz, TPP 450-112-MB2zzzzzzzzz, TPP 450-115-MB2zzzzzzzzz, TPP 450-118-MB2zzzzzzzzz, TPP 450-124-MB2zzzzzzzzz, TPP 450-128-MB2zzzzzzzzz, TPP 450-136-MB2zzzzzzzzz, TPP 450-142-MB2zzzzzzzzz, TPP 450-148-MB2zzzzzzzzz, TPP 450-153-MB2zzzzzzzzz, TPP 450-112-Mzzzzzzzzz, TPP 450-115-Mzzzzzzzzz, TPP 450-118-Mzzzzzzzzz, TPP 450-124-Mzzzzzzzzz, TPP 450-128-Mzzzzzzzzz, TPP 450-136-Mzzzzzzzzz, TPP 450-142-Mzzzzzzzzz, TPP 450-148-Mzzzzzzzzz, TPP 450-153-Mzzzzzzzzz, TPI 450-112BA-MB4zzzzzzzzz, TPI 450-115BA-MB4zzzzzzzzz, TPI 450-118BA-MB4zzzzzzzzz, TPI 450-124BA-MB4zzzzzzzzz, TPI 450-128BA-MB4zzzzzzzzz, TPI 450-136BA-MB4zzzzzzzzz, TPI 450-142BA-MB4zzzzzzzzz, TPI 450-148BA-MB4zzzzzzzzz, TPI 450-153BA-MB4zzzzzzzzz, TPI 450-112BA-Mzzzzzzzzz, TPI 450-115BA-Mzzzzzzzzz, TPI 450-118BA-Mzzzzzzzzz, TPI 450-124BA-Mzzzzzzzzz, TPI 450-128BA-Mzzzzzzzzz, TPI 450-136BA-Mzzzzzzzzz, TPI 450-142BA-Mzzzzzzzzz, TPI 450-148BA-Mzzzzzzzzz, TPI 450-153BA-Mzzzzzzzzz, TPI 450-112B-MB3zzzzzzzzz, TPI 450-115B-MB3zzzzzzzzz, TPI 450-118B-MB3zzzzzzzzz, TPI 450-124B-MB3zzzzzzzzz, TPI 450-128B-MB3zzzzzzzzz, TPI 450-136B-MB3zzzzzzzzz, TPI 450-142B-MB3zzzzzzzzz, TPI 450-148B-MB3zzzzzzzzz, TPI 450-153B-MB3zzzzzzzzz, TPI 450-112B-MB2zzzzzzzzz, TPI 450-115B-MB2zzzzzzzzz, TPI 450-118B-MB2zzzzzzzzz, TPI 450-124B-MB2zzzzzzzzz, TPI 450-128B-MB2zzzzzzzzz, TPI 450-136B-MB2zzzzzzzzz, TPI 450-142B-MB2zzzzzzzzz, TPI 450-148B-MB2zzzzzzzzz, TPI 450-153B-MB2zzzzzzzzz, TPI 450-112B-Mzzzzzzzzz, TPI 450-115B-Mzzzzzzzzz, TPI 450-118B-Mzzzzzzzzz, TPI 450-124B-Mzzzzzzzzz, TPI 450-128B-Mzzzzzzzzz, TPI 450-136B-Mzzzzzzzzz, TPI 450-142B-Mzzzzzzzzz, TPI 450-148B-Mzzzzzzzzz, TPI 450-153B-Mzzzzzzzzz.

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

#### **Conditions Of Acceptability:**

The end-product Electric Strength Test is to be based upon a maximum working voltage of: Primary-SELV(Secondary):312 Vrms, 508 Vpk

The following secondary output circuits are at non-hazardous energy levels: Output of all models

The following secondary output circuits are Limited Current Circuits: Secondary side of CY5

The power supply terminals and/or connectors are: Suitable for factory wiring only

The maximum investigated branch circuit rating is: 20 A

The investigated Pollution Degree is: 2

An investigation of the protective bonding terminals has: Not been conducted

The following input terminals/connectors must be connected to the end-product supply neutral: the terminal/pin marked with a letter N.

The following magnetic devices (e.g. transformers or inductor) are provided with an OBJY2 insulation system with the indicated rating greater than Class A (105°C): T1 (Class F) ; T2 (Class B)

The following end-product enclosures are required: Mechanical, Fire, Electrical

The equipment is suitable for direct connection to: AC mains supply

The related temperature tests of Open Frame type was specified by manufacturer with inward blow DC fan (air flow= min. 21.22 CFM).

The related temperature tests of equipment with Housing A were specified by manufacturer with an inward blow DC fan (air flow= min. 21.22 CFM).

The safeguard of thermal burn injury should be considered in the end use.

The following secondary output circuits are SELV (ES1): output of all models

**Ratings:**

Input Rating: 100-240 VAC, 5.8 A Max, 50/60 Hz.

**Nomenclature:** N/A