

Certificate Number: 121319X3-A6027

Date: 2023-06-21

## UL CONDITIONS OF ACCEPTABILITY

**Company Name:** TRACO ELECTRONIC AG

**File-CCN:** QQJQ2, QQJQ8

**Product Description:** POWER SUPPLIES FOR USE WITH AUDIO/VIDEO, INFORMATION AND COMMUNICATION TECHNOLOGY EQUIPMENT – COMPONENT

**Models:** TPI 50-105A-Jaaaaa, TPI 50-112A-Jaaaaa, TPI 50-115A-Jaaaaa, TPI 50-124A-Jaaaaa, TPI 50-136A-Jaaaaa, TPI 50-148A-Jaaaaa, TPI 50-153A-Jaaaaa, TPI 50-107Aaaaaa [\$], TPI 50-109Aaaaaa [\$], TPI 50-118Aaaaaa [\$], TPI 50-124Aaaaaa [\$]

**Conditions Of Acceptability:** For use only in or with complete equipment where the acceptability of the combination is determined by UL LLC. When installed in an end-product, consideration must be given to the following:

- The following output circuits are at ES1 energy levels : Outputs for all models
- The following output circuits are at PS2 energy levels : Outputs for all models
- The investigated Pollution Degree is : 2
- The following end-product enclosures are required : Electrical, Fire, Mechanical
- 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) : TX1 (Class B)
- The Class of equipment and AC Power Distribution Systems to which the end-use equipment is connected are to be evaluated when it's employed in the end-use equipment.
- The capacitor discharge test shall be evaluated for power supply marked with DC input rated if the power supply input terminal is accessible (touchable by a body part) in final system.
- The terminals of this component are only suitable for factory wiring only.
- For DC-in,
  - 1. the equipment has been evaluated for reinforced insulation and intended to be supplied by an isolated or non-isolated DC source.
  - 2. The Current rating of protective device is to be determined when it's employed in the end-use equipment for DC-in.
- The transient voltage is assuming up to 2500 V<sub>peak</sub> (for model TPI 50-XXXAaaaaa; Where a = alphanumeric, "-", "/" or blank for marketing purposes); 4000 V<sub>peak</sub> (for model TPI 50-XXXAaaaaa; Where a = alphanumeric, "-", "/" or blank for marketing purposes) for investigation.

Certificate Number: 121319X3-A6027

Date: 2023-06-21

- The need for suitable Electrical enclosure (for ES safeguard), fire enclosure (for PS safeguard), mechanical enclosure (for MS safeguard), and safeguard for thermal burn injury (for TS safeguard) are to be evaluated and provided (if necessary) when it's employed in the end-use equipment.
- Proper bonding to the end-product main protective earthing termination is: Required
- An investigation of the protective bonding terminals has: Not been conducted.

**Ratings:** • The equipment is a building-in power supply for use in information technology equipment, consists of electronic components mounted on PCB.

Model	Input Rating	Output Voltage (Vdc)	Output current (A)	TX1
TPI 50-105A-Jaaaaa	100-240 Vac, 1.4 A Max., 50/60 Hz or 120-370 Vdc, 0.5 A Max. or 120-250 Vdc, 0.5 A Max.	5	8	X1
TPI 50-107Aaaaaa [\$]		7.5	6.67	X2
TPI 50-109Aaaaaa [\$]		9	5.56	X2
TPI 50-112A-Jaaaaa		12	4.17	X3
TPI 50-115A-Jaaaaa		15	3.34	X4
TPI 50-118Aaaaaa [\$]		18	2.78	X5
TPI 50-124A-Jaaaaa		24	2.085	X6
TPI 50-124Aaaaaa [\$]		28	1.79	X6
TPI 50-136A-Jaaaaa		36	1.39	X7
TPI 50-148A-Jaaaaa		48	1.045	X8
TPI 50-153A-Jaaaaa		53	0.95	X8

**Nomenclature:** [\$] – Where a = alphanumeric, "-", "/" or blank for marketing purposes