



Certificate Number: 0802193-3

Date: 2023-03-24

UL CONDITIONS OF ACCEPTABILITY

Company Name: TRACO ELECTRONIC AG

File-CCN: E188913-QQJQ2, QQJQ8

Product Description: Switching power supply

Models:

TPI150-112Azzzzzz, TPI150-115Azzzzzz, TPI150-124Azzzzzz, TPI150-128Azzzzzz, TPI150-136Azzzzzz, TPI150-148Azzzzzz, TPI100-112Azzzzzz, TPI100-115Azzzzzz, TPI100-124Azzzzzz, TPI100-128Azzzzzz, TPI100-136Azzzzzz, TPI100-148Azzzzzz, TPI 125-112Azzzzzz, TPI 125-115Azzzzzz, TPI 125-124Azzzzzz, TPI 125-136Azzzzzz, TPI 125-148Aaaaaa [@]

z = alphanumeric, "-", "/" or blank for marketing purposes

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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 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 in the end-use equipment.
- The end-product Electric Strength Test is to be based upon a maximum working voltage of:
Primary-secondary: 527 Vrms, 800 Vpk.
- The following secondary output circuits are ES1: Output connector.
- The following output circuits are at PS3 energy levels: All internal circuits
- The equipment is suitable for direct connection to: AC mains supply.
- 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
- Proper bonding to the end-product main protective earthing termination is: Required.
- An investigation of the protective bonding terminals has: Not been conducted.
- The enclosure requirement (including openings requirement and necessary mechanical tests, accessibility) shall be evaluated in the end product.
- 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 B)
- The following input terminals/connectors must be connected to the end-product supply neutral:
Neutral pin of connector (CON1)

Technical Consideration

- The product was submitted and evaluated for use at the maximum ambient temperature (Tma) permitted by the manufacturer's specification of: See below table.
- Considered current rating of protective device as part of the building installation (A): 20 A
- The product is intended for use on the following power systems: TN
- The means of connection to the mains supply is: Evaluated in end product
- The equipment disconnect device is considered to be: Evaluated in end product
- Mains supply tolerance (%) or absolute mains supply values: +10%, -10% (Manufacturer declared)
- The following are available from the Applicant upon request: Installation (Safety) Instructions / Manual.
- The maximum continuous power supply output (Watts) relied on forced air cooling from

Ratings:

| Models | Rating | |
|--------------------|-------------------------------------|---------------------|
| TPI100-112Azzzzzz | I/P: 100-240Vac, 1.6A max., 50/60Hz | O/P: 12VDC – 8.34A |
| TPI100-115Azzzzzz | | O/P: 15VDC – 6.67A |
| TPI100-124Azzzzzz | | O/P: 24VDC – 4.17A |
| TPI100-128Azzzzzz | | O/P: 28VDC – 3.58A |
| TPI100-136Azzzzzz | | O/P: 36VDC – 2.78A |
| TPI100-148Azzzzzz | | O/P: 48VDC – 2.09A |
| TPI150-112Azzzzzz | I/P: 100-240Vac, 1.8A max., 50/60Hz | O/P: 12VDC – 12.5A |
| TPI150-115Azzzzzz | | O/P: 15VDC – 10.0A |
| TPI150-124Azzzzzz | | O/P: 24VDC – 6.25A |
| TPI150-128Azzzzzz | | O/P: 28VDC – 5.36A |
| TPI150-136Azzzzzz | | O/P: 36VDC – 4.17A |
| TPI150-148Azzzzzz | | O/P: 48VDC – 3.13A |
| TPI 125-112Azzzzzz | I/P: 100-240Vac, 2.0A max., 50/60Hz | O/P: 12VDC – 10.42A |
| TPI 125-115Azzzzzz | | O/P: 15VDC – 8.34A |
| TPI 125-124Azzzzzz | | O/P: 24VDC – 5.21A |
| TPI 125-136Azzzzzz | | O/P: 36VDC – 3.48A |
| TPI 125-148Azzzzzz | | O/P: 48VDC – 2.61A |

| Model name | Output rating | Maximum ambient temperature (Tma) (°C) |
|-----------------------|--------------------------------------|--|
| TPI100-112Azzzzzz | Output normal rated (with fan) | 50 |
| TPI100-115Azzzzzz | | |
| TPI100-124Azzzzzz | Output de-rated 80W (without fan) | 40 |
| TPI100-128Azzzzzz | | |
| TPI100-136Azzzzzz | | |
| TPI100-148Azzzzzz | | |
| TPI 125-112Azzzzzz | Output normal rated (with fan) | 65 |
| TPI 125-115Azzzzzz | | |
| TPI 125-124Azzzzzz | Output de-rated 80W (without fan) | 45 |
| TPI 125-136Azzzzzz | | |
| TPI 125-148Aaaaaa [@] | | |
| TPI150-112Azzzzzz | Output normal rated (with fan) | 50 |
| TPI150-115Azzzzzz | | |
| TPI150-124Azzzzzz | Output de-rated 80W (without fan) | 50 |
| TPI150-128Azzzzzz | | |
| TPI150-136Azzzzzz | | |
| TPI150-148Azzzzzz | | |

Nomenclature:

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