



Certificate Number: 20210112-volX2-A6020

Date: 2024-01-08

## UL CONDITIONS OF ACCEPTABILITY

**Company Name:** TRACO ELECTRONIC AG

**File-CCN:** E188913-QQJQ2 QQJQ8

**Product Description:** Switching Power Supply

**Models:** TCI 130-112-Jxxxxxx [a], TCI 130-124-Jxxxxxx [a], TCI 130-148-Jxxxxxx [a], TCI 130-112U-Jxxxxxx [a], TCI 130-124U-Jxxxxxx [a], TCI 130-148U-Jxxxxxx [a], TCI 130-112A-Jxxxxxx [a], TCI 130-124A-Jxxxxxx [a], TCI 130-148A-Jxxxxxx [a]

### 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 product-line tests are conducted for this product: Electric Strength
- The end-product Electric Strength Test is to be based upon a maximum working voltage of : 391 Vrms / 696 Vpk
- The following output circuits are at ES1 energy levels: for models TCI 130-112-Jxxxxxx [a], TCI 130-124-Jxxxxxx [a], TCI 130-112U-Jxxxxxx [a], TCI 130-124U-Jxxxxxx [a], TCI 130-112A-Jxxxxxx [a], TCI 130-124A-Jxxxxxx [a].
- The following output circuits are at ES2 energy levels: for models TCI 130-148-Jxxxxxx [a], TCI 130-148U-Jxxxxxx [a], TCI 130-148A-Jxxxxxx [a].
- The following output circuits are at PS3 energy levels: for all models.
- Proper bonding to the end-product main protective earthing termination is: Required
- An investigation of the protective bonding terminals has: Not Been Conducted
- The following magnetic devices (e.g. transformers or inductor) are provided with an OBJ2 insulation system with the indicated rating greater than Class A (105°C): Transformer (T1) (Class B)
- The need for suitable electrical enclosure (for ES safeguard), fire enclosure (for PS safeguard), and safeguard for thermal burn injury (for TS safeguard) is to be evaluated and provided (if necessary) in the end-product.
- The power supply terminals and/or connectors are: Suitable for factory wiring only.
- Fan provided for Temperature Measurements Test. See Enclosure Id. 07-01 (Fan Location and Direction Details) for details.
- Altitude during operation (m): See Enclosure Id. 07-02 for details.
- The equipment disconnect device is considered to be : To be evaluated in the end-product.

### Nomenclature:

[a] - Where "x" can be any alphanumeric character "-", any punctuation mark or blank for marketing purpose (and no impact to safety).



Certificate Number: 20200917-volX2-A6011

**File-CCN:** E188913-QQJQ2 QQJQ8

**Product Description:** Switching Power Supply

**Models:** TCI 500-112U-Txxxxxx [a], TCI 500-124U-Txxxxxx [a], TCI 500-148U-Txxxxxx [a],  
TCI 500-112-Txxxxxx [a], TCI 500-124-Txxxxxx [a], TCI 500-148-Txxxxxx [a]

**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 product-line tests are conducted for this product : Electric Strength
- The end-product Electric Strength Test is to be based upon a maximum working voltage of : Primary-SELV: 284Vrms / 547Vpk
- The following output circuits are at ES1 energy levels : Output
- The following output circuits are at PS3 energy levels : Output
- Proper bonding to the end-product main protective earthing termination is : Required
- An investigation of the protective bonding terminals has : Not Been Conducted
- 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) : Transformer (T1) (Class B and Class F) and Transformer (T2) (Class B)
- The equipment is suitable for direct connection to : AC mains supply
- The following end-product enclosures are required: Mechanical Enclosure (for MS safeguard), Fire Enclosure (for PS safeguard), Electrical Enclosure (for ES safeguard), and TS Safeguard for thermal burn injury.
- Power supply terminals and/or connectors: Not investigated for field wiring.
- The power supply is provided with Input Connector (CN1) for power input, the disconnect device is to be evaluated in the end-product.
- The power supply is provided with one housing in-blowing, cooling fan, rated minimum 30 CFM for TCI 500-112-Txxxxxx [a], TCI 500-124-Txxxxxx [a] and TCI 500-148-Txxxxxx [a]; one optional external cooling fan, rated minimum 30 CFM for TCI 500-112U-Txxxxxx [a], TCI 500-124U-Txxxxxx [a], TCI 500-148U-Txxxxxx [a]. See Enclosure Id. 07-01 for details.

**Nomenclature:**

[a] - Where "x" can be any alphanumeric character "-", any punctuation mark or blank for marketing purpose (and no impact to safety).



Certificate Number: 20200811-volX2-A6007

**Product Description:** Switching Power Supply

**Models:** TCI 240-112A-Txxxxxx [a], TCI 240-124A-Txxxxxx [a], TCI 240-148A-Txxxxxx [a], TCI 240-112A-Jxxxxxx [a], TCI 240-124A-Jxxxxxx [a], TCI 240-148A-Jxxxxxx [a], TCI 240-112U-Txxxxxx [a], TCI 240-124U-Txxxxxx [a], TCI 240-148U-Txxxxxx [a], TCI 240-112U-Jxxxxxx [a], TCI 240-124U-Jxxxxxx [a], TCI 240-148U-Jxxxxxx [a], TCI 240-112-Txxxxxx [a], TCI 240-124-Txxxxxx [a], TCI 240-148-Txxxxxx [a], TCI 240-112-Jxxxxxx [a], TCI 240-124-Jxxxxxx [a], TCI 240-148-Jxxxxxx [a]

**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 product-line tests are conducted for this product: Electric Strength
- The end-product Electric Strength Test is to be based upon a maximum working voltage of : Primary-SELV: 280Vrms / 480Vpk (for Models TCI 240 series)
- The following output circuits are at ES1 energy levels: Outputs for models TCI 240-112A-Txxxxxx [a], TCI 240-124A-Txxxxxx [a], TCI 240-112A-Jxxxxxx [a], TCI 240-124A-Jxxxxxx [a], TCI 240-112U-Txxxxxx [a], TCI 240-124U-Txxxxxx [a], TCI 240-112U-Jxxxxxx [a], TCI 240-124U-Jxxxxxx [a], TCI 240-112-Txxxxxx [a], TCI 240-124-Txxxxxx [a], TCI 240-112-Jxxxxxx [a], TCI 240-124-Jxxxxxx [a],
- The following output circuits are at ES2 energy levels: Outputs for models TCI 240-148A-Txxxxxx [a], TCI 240-148A-Jxxxxxx [a], TCI 240-148U-Txxxxxx [a], TCI 240-148U-Jxxxxxx [a], TCI 240-148-Txxxxxx [a], TCI 240-148-Jxxxxxx [a]
- The following output circuits are at PS3 energy levels: All models
- Proper bonding to the end-product main protective earthing termination is: Required
- An investigation of the protective bonding terminals has: Not Been Conducted
- The following magnetic devices (e.g. transformers or inductor) are provided with an OBJ2 insulation system with the indicated rating greater than Class A (105°C): Transformer (T1) (Class B)
- The equipment is suitable for direct connection to: AC mains supply
- The following end-product enclosures are required: Mechanical enclosure (for MS safeguard), Fire enclosure (for PS safeguard), Electrical enclosure (for ES safeguard) and TS safeguard for thermal burn injury.
- The power supply is provided with one optional external cooling fan rated minimum 8 CFM for TCI 240 series.
- Power supply terminals and/or connectors: Not investigated for field wiring.

The equipment disconnect device is considered to be : To be evaluated in the end-product.

**Nomenclature:**

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