

Certificate Number: 121319X3-A6009

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:** TEQ 75-2412WIR zzzzzz (a), TEQ 75-2415WIR zzzzzz (a), TEQ 75-2416WIR zzzzzz (a), TEQ 75-2418WIR zzzzzz (a), TEQ 75-4812WIR zzzzzz (a), TEQ 75-4815WIR zzzzzz (a), TEQ 75-4816WIR zzzzzz (a), TEQ 75-4818WIR zzzzzz (a), TEQ 75-7212WIR zzzzzz (a), TEQ 75-7215WIR zzzzzz (a), TEQ 75-7216WIR zzzzzz (a), TEQ 75-7218WIR zzzzzz (a), TEQ 100-2412WIR zzzzzz (a), TEQ 100-2415WIR zzzzzz (a), TEQ 100-2416WIR zzzzzz (a), TEQ 100-2418WIR zzzzzz (a), TEQ 100-4812WIR zzzzzz (a), TEQ 100-4815WIR zzzzzz (a), TEQ 100-4816WIR zzzzzz (a), TEQ 100-4818WIR zzzzzz (a), TEQ 100-7212WIR zzzzzz (a), TEQ 100-7215WIR zzzzzz (a), TEQ 100-7216WIR zzzzzz (a), TEQ 100-7218WIR zzzzzz (a), TEQ 160-4812WIR zzzzzz (a), TEQ 160-4815WIR zzzzzz (a), TEQ 160-4816WIR zzzzzz (a), TEQ 160-4818WIR zzzzzz (a), TEQ 160-7212WIR zzzzzz (a), TEQ 160-7215WIR zzzzzz (a), TEQ 160-7216WIR zzzzzz (a), TEQ 160-7218WIR zzzzzz (a), TEQ 200-4812WIR zzzzzz (a), TEQ 200-4815WIR zzzzzz (a), TEQ 200-4816WIR zzzzzz (a), TEQ 200-4818WIR zzzzzz (a), TEQ 200-7212WIR zzzzzz (a), TEQ 200-7215WIR zzzzzz (a), TEQ 200-7216WIR zzzzzz (a), TEQ 200-7218WIR zzzzzz (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 output circuits are at ES1 energy levels : Output
- The following output circuits are at PS3 energy levels : Output
- The terminals of the DC/DC Converter are only suitable for factory wiring only.
- 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.

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- DC/DC Converter in Maximum Normal Load relied on forced air cooling from DC Fan. See Id. 07-02 for details.
- The distances were investigated for transient rating for secondary circuit is up to 800 V peak; any other consideration for transient rating greater than 800 V peak shall be evaluated in end-product for Models TEQ 75-2412WIR zzzzzz (a), TEQ 75-2415WIR zzzzzz (a), TEQ 75-2416WIR zzzzzz (a), TEQ 75-2418WIR zzzzzz (a), TEQ 75-4812WIR zzzzzz (a), TEQ 75-4815WIR zzzzzz (a), TEQ 75-4816WIR zzzzzz (a), TEQ 75-4818WIR zzzzzz (a)
- The distances were investigated for transient rating for secondary circuit is up to 1500 V peak; any other consideration for transient rating greater than 1500 V peak shall be evaluated in end-product for Models TEQ 75-7212WIR zzzzzz (a), TEQ 75-7215WIR zzzzzz (a), TEQ 75-7216WIR zzzzzz (a), TEQ 75-7218WIR zzzzzz (a), TEQ 100-2412WIR zzzzzz (a), TEQ 100-2415WIR zzzzzz (a), TEQ 100-2416WIR zzzzzz (a), TEQ 100-2418WIR zzzzzz (a), TEQ 100-4812WIR zzzzzz (a), TEQ 100-4815WIR zzzzzz (a), TEQ 100-4816WIR zzzzzz (a), TEQ 100-4818WIR zzzzzz (a), TEQ 100-7212WIR zzzzzz (a), TEQ 100-7215WIR zzzzzz (a), TEQ 100-7216WIR zzzzzz (a), TEQ 100-7218WIR zzzzzz (a), TEQ 160-4812WIR zzzzzz (a), TEQ 160-4815WIR zzzzzz (a), TEQ 160-4816WIR zzzzzz (a), TEQ 160-4818WIR zzzzzz (a), TEQ 160-7212WIR zzzzzz (a), TEQ 160-7215WIR zzzzzz (a), TEQ 160-7216WIR zzzzzz (a), TEQ 160-7218WIR zzzzzz (a), TEQ 200-4812WIR zzzzzz (a), TEQ 200-4815WIR zzzzzz (a), TEQ 200-4816WIR zzzzzz (a), TEQ 200-4818WIR zzzzzz (a), TEQ 200-7212WIR zzzzzz (a), TEQ 200-7215WIR zzzzzz (a), TEQ 200-7216WIR zzzzzz (a), TEQ 200-7218WIR zzzzzz (a).
- The DC/DC Converter employs Double/Reinforced Insulation (Overvoltage Category II and Mains Transient Voltage 2500 V peak) between Input and Output circuits. Basic Insulation between Input / Output circuits and Baseplate for Models TEQ 100-7212WIR zzzzzz (a), TEQ 100-7215WIR zzzzzz (a), TEQ 100-7216WIR zzzzzz (a), TEQ 100-7218WIR zzzzzz (a)
- The DC/DC Converter is considered as Basic Insulation and intended to be installed in isolated secondary circuit which is separated from primary circuit by Reinforce or Double Insulation. Humidity Test should be considered in the end-product for Models TEQ 75-2412WIR zzzzzz (a), TEQ 75-2415WIR zzzzzz (a), TEQ 75-2416WIR zzzzzz (a), TEQ 75-2418WIR zzzzzz (a), TEQ 75-4812WIR zzzzzz (a), TEQ 75-4815WIR zzzzzz (a), TEQ 75-4816WIR zzzzzz (a), TEQ 75-4818WIR zzzzzz (a).
- The DC/DC Converter is considered as Double/Reinforced Insulation between Input and Output circuits for Models TEQ 100-2412WIR zzzzzz (a), TEQ 100-2415WIR zzzzzz (a), TEQ 100-2416WIR zzzzzz (a), TEQ 100-2418WIR zzzzzz (a), TEQ 100-4812WIR zzzzzz (a), TEQ 100-4815WIR zzzzzz (a), TEQ 100-4816WIR zzzzzz (a), TEQ 100-4818WIR zzzzzz (a), TEQ 160-7212WIR zzzzzz (a), TEQ 160-7215WIR zzzzzz (a), TEQ 160-7216WIR zzzzzz (a), TEQ 160-7218WIR zzzzzz (a), TEQ 200-4812WIR zzzzzz (a), TEQ 200-4815WIR zzzzzz (a), TEQ 200-4816WIR zzzzzz (a), TEQ 200-4818WIR zzzzzz (a), TEQ 200-7212WIR zzzzzz (a), TEQ 200-7215WIR zzzzzz (a), TEQ 200-7216WIR zzzzzz (a), TEQ 200-7218WIR zzzzzz (a), TEQ 75-7212WIR zzzzzz (a), TEQ 75-7215WIR zzzzzz (a), TEQ 75-7216WIR zzzzzz (a), TEQ 75-7218WIR zzzzzz (a), TEQ 100-7212WIR zzzzzz (a), TEQ 100-7215WIR zzzzzz (a), TEQ 100-7216WIR zzzzzz (a), and TEQ 100-7218WIR zzzzzz (a).
- Input to Output: 2250 V d.c. for Models TEQ 75-2412WIR zzzzzz (a), TEQ 75-2415WIR zzzzzz (a), TEQ 75-2416WIR zzzzzz (a), TEQ 75-2418WIR zzzzzz (a), TEQ 75-4812WIR zzzzzz (a), TEQ 75-4815WIR zzzzzz (a), TEQ 75-4816WIR zzzzzz (a) and TEQ 75-4818WIR zzzzzz (a) by client requirement.

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- Input to Output: 2500 V d.c. for Models TEQ 100-2412WIR zzzzzz (a), TEQ 100-2415WIR zzzzzz (a), TEQ 100-2416WIR zzzzzz (a), TEQ 100-2418WIR zzzzzz (a), TEQ 100-4812WIR zzzzzz (a), TEQ 100-4815WIR zzzzzz (a), TEQ 100-4816WIR zzzzzz (a), TEQ 100-4818WIR zzzzzz (a), TEQ 160-4812WIR zzzzzz (a), TEQ 160-4815WIR zzzzzz (a), TEQ 160-4816WIR zzzzzz (a), TEQ 160-4818WIR zzzzzz (a), TEQ 200-4812WIR zzzzzz (a), TEQ 200-4815WIR zzzzzz (a), TEQ 200-4816WIR zzzzzz (a), and TEQ 200-4818WIR zzzzzz (a) by client requirement.
- Input to Output: 3000 V a.c. for Models TEQ 75-7212WIR zzzzzz (a), TEQ 75-7215WIR zzzzzz (a), TEQ 75-7216WIR zzzzzz (a), TEQ 75-7218WIR zzzzzz (a), TEQ 100-7212WIR zzzzzz (a), TEQ 100-7215WIR zzzzzz (a), TEQ 100-7216WIR zzzzzz (a), TEQ 100-7218WIR zzzzzz (a), TEQ 160-7212WIR zzzzzz (a), TEQ 160-7215WIR zzzzzz (a), TEQ 160-7216WIR zzzzzz (a), TEQ 160-7218WIR zzzzzz (a), TEQ 200-7212WIR zzzzzz (a), TEQ 200-7215WIR zzzzzz (a), TEQ 200-7216WIR zzzzzz (a), TEQ 200-7218WIR zzzzzz (a) by client requirement.
- Input and Output to Chassis: 2500 V d.c. for all models by client requirement.

**Ratings:** • All models are similar except for model designation, input/output ratings, DC/DC Converter, and components (C5, C6) rating.

Models	Rated Input	Rated Output
TEQ 75-2412WIR zzzzzz (a)	9-36Vdc, 9.55A	+12Vdc/63A
TEQ 75-2415WIR zzzzzz (a)	9-36Vdc, 9.81A	+24Vdc/32A
TEQ 75-2416WIR zzzzzz (a)	9-36Vdc, 9.66A	+28Vdc/2.7A
TEQ 75-2418WIR zzzzzz (a)	9-36Vdc, 9.81A	+48Vdc/1.6A
TEQ 75-4812WIR zzzzzz (a)	18-75VdC, 4.67A	+12VdC/6.3A
TEQ 75-4815WIR zzzzzz (a)	18-75Vdc, 4.85A	+24Vdc/32A
TEQ 75-4816WIR zzzzzz (a)	18-75Vdc, 4.77A	+28Vdc/27A
TEQ 75-4818WIR zzzzzz (a)	18-75Vdc, 4.90A	+48Vdc/1.6A
TEQ 75-7212WIR zzzzzz (a)	43-160Vdc, 2.02A	+12Vdc/6.3A
TEQ 75-7215WIR zzzzzz (a)	43-160VdC, 2.08A	+24Vdc/3.2A
TEQ 75-7216WIR zzzzzz (a)	43-160Vdc, 2.04A	+28Vdc/2.7A
TEQ 75-7218WIR zzzzzz (a)	43-160Vdc, 2.08A	+48Vdc/1.6A
TEQ 100-2412WIR zzzzzz (a)	9-36Vdc, 11.9A	+12Vdc/8.4A
TEQ 100-2415WIR zzzzzz (a)	9-36Vdc, 11.9A	+24Vdc/4.2A
TEQ 100-2416WIR zzzzzz (a)	9-36Vdc, 12.0A	+28Vdc/3.6A
TEQ 100-2418WIR zzzzzz (a)	9-36Vdc, 11.7A	+48Vdc/2.1A

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Models	Rated Input	Rated Output
TEQ 100-4812WIR zzzzzz (a)	18-75Vdc, 6 1A	+12Vdc/8.4A
TEQ 100-4815WIR zzzzzz (a)	18-75Vdc, 6.0A	+24Vdc/4.2A
TEQ 100-4816WIR zzzzzz (a)	18-75VdC, 6.2A	+28VdC/3.6A
TEQ 100-4818WIR zzzzzz (a)	18-75Vdc, 6.0A	+48Vdc/2.1A
TEQ 100-7212WIR zzzzzz (a)	43-160Vdc, 2 6A	+12Vdc/8.4A
TEQ 100-7215WIR zzzzzz (a)	43-160Vdc, 2 6A	+24Vdc/4.2A
TEQ 100-7216WIR zzzzzz (a)	43-160Vdc, 2 6A	+28Vdc/3.6A
TEQ 100-7218WIR zzzzzz (a)	43-160VdC, 2 6A	+48Vdc/2.1A
TEQ 160-4812WIR zzzzzz (a)	18-75Vdc, 10.4A	+12Vdc/13A
TEQ 160-4815WIR zzzzzz (a)	18-75Vdc, 10.4A	+24Vdc/6.5A
TEQ 160-4816WIR zzzzzz (a)	18-75Vdc, 10.3A	+28Vdc/5.5A
TEQ 160-4818WIR zzzzzz (a)	18-75Vdc, 10.2A	+48Vdc/3.2A
TEQ 160-7212WIR zzzzzz (a)	43-160Vdc, 4.7A	+12Vdc/15A
TEQ 160-7215WIR zzzzzz (a)	43-160Vdc, 4.7A	+24Vdc/7.5A
TEQ 160-7216WIR zzzzzz (a)	43-160Vdc, 4.7A	+28Vdc/6.5A
TEQ 160-7218WIR zzzzzz (a)	43-160Vdc, 4.7A	+48Vdc/3.8A
TEQ 200-4812WIR zzzzzz (a)	18-75Vdc, 14.5A	+12Vdc/18A
TEQ 200-4815WIR zzzzzz (a)	18-75VdC, 14.5A	+24Vdc/9A
TEQ 200-4816WIR zzzzzz (a)	18-75Vdc, 14.0A	+28Vdc/7.5A
TEQ 200-4818WIR zzzzzz (a)	18-75Vdc, 14.5A	+48Vdc/4.5A
TEQ 200-7212WIR zzzzzz (a)	43-160Vdc, 6 3A	+12Vdc/20A
TEQ 200-7215WIR zzzzzz (a)	43-160Vdc, 6 3A	+24Vdc/10A
TEQ 200-7216WIR zzzzzz (a)	43-160VdC, 6 1A	+28Vdc/8.5A
TEQ 200-7218WIR zzzzzz (a)	43-160VdC, 6 3A	+48Vdc/5A

**Nomenclature:** (a)- Where z= alphanumeric, "-", "/" or blank for marketing purposes.