



Certificate Number: 102517X1-A1

Date: 2018-08-21

UL CONDITIONS OF ACCEPTABILITY

Company Name: TRACO ELECTRONIC AG

File-CCN: E188913-QQGQ2, QQQQ8, QQJQ2, & QQJQ8

Product Description: DC-DC Converter

Models: TRI 3-0511, TRI 3-0512, TRI 3-0513, TRI 3-0522, TRI 3-0523, TRI 3-1211, TRI 3-1212, TRI 3-1213, TRI 3-1222, TRI 3-1223, TRI 3-2411, TRI 3-2412, TRI 3-2413, TRI 3-2422, TRI 3-2423, TRI 3-4811, TRI 3-4812, TRI 3-4813, TRI 3-4822, TRI 3-4823, TRI 6-1211, TRI 6-1212, TRI 6-1213, TRI 6-1222, TRI 6-1223, TRI 6-2411, TRI 6-2412, TRI 6-2413, TRI 6-2422, TRI 6-2423, TRI 6-4811, TRI 6-4812, TRI 6-4813, TRI 6-4822, TRI 6-4823.

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 Production-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: 96.5 Vrms, 220Vpk
- The following secondary output circuits are SELV: Outputs of all models and also been evaluated as ES1 circuit for UL/CSA 62368-1 2nd edition
- The following secondary output circuits are at non-hazardous energy levels: Outputs of all models
- The power supply terminals and/or connectors are: Suitable for factory wiring only
- The investigated Pollution Degree is: 2
- 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 end-product enclosures are required: Mechanical, Fire, Electrical
- Input test and all thermal related tests should be considered in end product investigation.
- The outputs of this component DC-to-DC converter has been evaluated for ES1 (SELV circuit); the ES classification of circuits and parts that are accessible to ordinary persons should be reconsidered when it's employed in the end-use equipment.
- Upon request, the product was contacted to the electric strength test voltage of 5,000 Vdc between unit input and output according to manufacturer's specification.

Ratings: n/a

Nomenclature: N/A