



Certificate Number: 011808X1-12

Date: 2016-06-29

UL CONDITIONS OF ACCEPTABILITY

Company Name: TRACO ELECTRONIC AG

File-CCN: E188913-QQGQ2/QQGQ8

Product Description:

Models: TML 20103, TML 20105, TML 20107, TML 20109, TML 20112, TML 20115, TML 20124, TML 20205, TML 20212, TML 20215, TML 20512, TML 20515, TML 20103C, TML 20105C, TML 20107C, TML 20109C, TML 20112C, TML 20115C, TML 20124C, TML 20205C, TML 20212C, TML 20215C, TML 20512C, TML 20515C

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 end-product Electric Strength Test is to be based upon a maximum working voltage of: Primary-SELV: 274 Vrms, 490 Vpk maximum. , Primary-Earthed Dead Metal: 262 Vrms, 480 Vpk
- The following secondary output circuits are SELV: All outputs of all models
- The following secondary output circuits are at non-hazardous energy levels: All outputs of all models
- 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
- The following input terminals/connectors must be connected to the end-product supply neutral: Input pin marked "N" on PWB
- 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) applied to all models.
- The following end-product enclosures are required: Mechanical, Electrical, Fire
- The equipment is suitable for direct connection to: AC mains supply
- The input pin marked "FG" is considered as Functional Earthing, it shall be separated from hazardous voltage by double/reinforced insulation in end-application.
- Holes in the corners of mounting board of TML model series with suffix C can be used for mounting the board with metal screws, therefore following information should be used during end product investigation: Distance from mounting holes to primary: 3.4mm
- The input and output are to be soldered on PCB. TML model series with suffix C includes mounting board with pillar type I/O terminals or pin-connectors – not for field wiring.

Ratings: I/P: 100-240 Vac, 0.49-0.27 A, 47-63 Hz

Nomenclature: N/A



Certificate Number: 062508X1-16

Date: 2016-06-29

UL CONDITIONS OF ACCEPTABILITY

Company Name: TRACO ELECTRONIC AG

File-CCN: E188913-QQGQ2/QQGQ8

Product Description:

Models: TML 40103, TML 40105, TML 40109, TML 40112, TML 40115, TML 40124, TML 40205, TML 40212, TML 40215, TML 40252, TML 40254, TML 40512, TML 40515, TML 40103C, TML 40103C-J, TML 40105C, TML 40105C-J, TML 40109C, TML 40109C-J, TML 40112C, TML 40112C-J, TML 40115C, TML 40115C-J, TML 40124C, TML 40124C-J, TML 40205C, TML 40205C-J, TML 40212C, TML 40212C-J, TML 40215C, TML 40215C-J, TML 40252C, TML 40252C-J, TML 40254C, TML 40254C-J, TML 40512C, TML 40512C-J, TML 40515C, TML 40515C-J

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 end-product Electric Strength Test is to be based upon a maximum working voltage of: Primary-SELV: 283 Vrms, 547 Vpk maximum. , Primary-Earthed Dead Metal: 283 Vrms, 545 Vpk
- The following secondary output circuits are SELV: All outputs of all models
- The following secondary output circuits are at non-hazardous energy levels: All outputs of all models
- 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
- The following input terminals/connectors must be connected to the end-product supply neutral: Input pin with "N" marked aside on PWB
- 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) applied to all models.
- The following end-product enclosures are required: Mechanical, Electrical, Fire
- The following components require special consideration during end-product Thermal (Heating) tests due to the indicated maximum temperature measurements during component-level testing: 50 degree C
- The equipment is suitable for direct connection to: AC mains supply
- A fuse connected in the line phase and in series with the VDR shall be evaluated by end-use product.

- Holes in the corners of mounting board of TML model series with suffix C or C-J can be used for mounting the board with metal screws, therefore following information should be used during end product investigation: Distance from mounting holes to primary: 3.4mm
- The input and output are to be soldered on PCB. TML model series with suffix C or C-J includes mounting board with pillar type I/O terminals or pin-connectors – not for field wiring.

Ratings: I/P: 100-240 Vac, 0.86-0.46 A, 47-63 Hz

Nomenclature: N/A