



Certificate Number: 0814202-33

Date: 2023-03-24

## UL CONDITIONS OF ACCEPTABILITY

**Company Name:** TRACO ELECTRONIC AG

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

**Product Description:** AC/DC POWER MODULE

**Models:**

TMM 60105, TMM 60112, TMM 60115, TMM 60124, TMM 60148, TMM 60105C, TMM 60112C, TMM 60115C, TMM 60124C, TMM 60148C

**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-Secondary: 379 Vrms, 552 Vpk
- The following secondary output circuits are ES1: Outputs of Models TMM 60105, TMM 60112, TMM 60115, TMM 60105C, TMM 60112C, TMM 60115C.
- The following secondary output circuits are ES2: Outputs of Models TMM 60124, TMM 60124C.
- The following secondary output circuits are ES3: Outputs of Models TMM 60148, TMM 60148C.
- The following output circuits are at PS3 energy levels: Outputs
- The following output terminals were referenced to earth during performance testing: -VOUT
- The power supply terminals and/or connectors are: Suitable for factory wiring only
- The equipment is suitable for direct connection to: AC mains supply
- Considered current rating of protective device as part of the building installation (A): 20 A
- 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 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) is to be evaluated and provided (if necessary) when it's employed in the end-use equipment.
- When installed in the end product, the device shall be enclosed completely and shall not be touched by users, the accessibility for ordinary person shall be evaluated in the end product.
- The class of equipment is not classified; the likelihood is to be determined when employed in the end-use equipment.

**Ratings:**

I/P: 100-240Vac, 1.5-0.8A, 50/60Hz

O/P:

Models	Output Voltage	Output Current
TMM 60105 TMM 60105C	+5.1Vdc	10000mA
TMM 60112 TMM 60112C	+12Vdc	5000mA
TMM 60115 TMM 60115C	+15Vdc	4000mA
TMM 60124 TMM 60124C	+24Vdc	2500mA
TMM 60148 TMM 60148C	+48Vdc	1250mA

**Nomenclature:** N/A