



Certificate Number: 041019X2-A6005

Date: 2023-03-24

UL CONDITIONS OF ACCEPTABILITY

Company Name: TRACO ELECTRONIC AG

File-CCN: E188913-QQJQ2, QQJQ8

Product Description: AC-DC Power Module or DC-DC Power Module

Models:

TMPW 5-103, TMPW 5-105, TMPW 5-112, TMPW 5-124, TMPW 5-103-J, TMPW 5-105-J, TMPW 5-112-J, TMPW 5-124-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 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-Secondary: 314 Vrms / 640 Vpk
- The following output circuits are at ES1 energy levels: Outputs
- The following output circuits are at PS3 energy levels: Outputs
- The maximum investigated branch circuit rating is: 20 A
- The investigated Pollution Degree is: 2
- 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 / Power Supply with Terminal Board.
- The power supply terminals and/or connectors are: Power Supply without Terminal Board suitable for factory wiring only.
- 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 in the end-product.
- The accessibility for ordinary person shall be evaluated in the end-product.
- The power supply terminals and/or connectors are: Power Supply with Terminal Board suitable for both factory and field wiring.
- The equipment is suitable for direct connection to: AC Mains Supply (Tolerance: +10%/-10%) or DC ES3 External Circuit (Tolerance: None) / Power Supply with Terminal Connector for Models TMPW 5-103-J, TMPW 5-105-J, TMPW 5-112-J, TMPW 5-124-J.

Ratings:

| Models | Input | Output | | Transformer |
|-----------------------------|--|-----------|-----------|----------------|
| | | Vdc | Max. mA | |
| TMPW 5-103, TMPW 5-103-J | 100-277 V a.c. 47-63 Hz, 0.15 A max or 100-250 V d.c., 0.15 A max. | 2.47-3.47 | 1515-1440 | R247AOCH05AC00 |
| TMPW 5-105, TMPW 5-105-J | | 3.75-5.25 | 1000-954 | R247AOCH05AC00 |
| TMPW 5-112, TMPW 5-112-J | | 9-12.6 | 420-397 | R247AOCH05AC02 |
| TMPW 5-124, TMPW 5-124-J | | 18-25.2 | 210-198 | R247AOCH05AC05 |

Nomenclature: N/A