

Licence

for the use of SIQ Type Approved certification mark

Number: SI-SIQ BG 007/074 **Project file:** C20202355

Product: Power supply for built-in use

Type reference: See page 2.

Trademark: TRACO POWER

Ratings: See page 3.

Applicant / Licensee: Traco Power Solutions Ltd.
Whitemill Industrial Estate Wexford, White Mill Road, Y35 YH66, Ireland

Manufacturer: Traco Power Solutions Ltd.
Whitemill Industrial Estate Wexford, White Mill Road, Y35 YH66, Ireland

SIQ hereby grants the right to use the SIQ Type Approved certification mark of conformity on the products specified in this document. The SIQ Type Approved certification mark of conformity signifies the compliance of the products with requirements of cited standards.

Certification mark:



Standard: EN 62368-1:2014 + A11:2017

Test report: T223-0622/20 (2020-10-15)

Remarks: This licence has been issued under the presumption and conditional on the fact that the licensee holds all necessary legal rights with regard to the product presented for testing and certification.

This licence is valid as long as the conditions laid down in the listed standards are not modified significantly and until the licensee complies with the SIQ's rules on product certification.

Date: 2020-10-15

Authorized signature: Bojan Pečavar



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Additional remarks:

The list of critical components of the product for which this licence is granted is included in the test report.

Models were also partial tested according to the requirements of following standards (Refer to test report T223-0462/18):

- IEC/EN 61558-2-16:2009 +A1:2013 used in conjunction with IEC/EN 61558-1:2005 +A1:2009
- IEC 60335-1:2010 + A1:2013 and EN 60335-1:2012 + A11:2014 + A13:2017
- IEC/EN 61347-2-13:2014 + A1 used in conjunction with IEC/EN 61347-1:2015
- UL 1310 (6th Edition)
- Models were also investigated and found to be in compliance with clearance and creepage distance requirements of clause 4.4.7.4 and 4.4.7.5 of IEC/EN 62477-1:2012 +A11:2014 for OVC II and altitude of 2000m. Output was classified as DVC A. DVC A means that output meets SELV limits for an area of contact equal to human hand under dry condition.
- Requirements in EN 60204-1:2006 + A1:2009 (clearance and creepage distances) and IEC 62103-1:2003 (safety part only) are also verified and found to be less strict than in above mentioned standards. Output must be earthed in the final unit in order to comply with PELV requirements according to standard EN 60204-1:2006 + A1:2009
- Additionally the family was also evaluated according to DIN VDE 0710-14 (for acquiring VDE MM mark) and fulfil the requirements of this standard. The temperature test was performed at the ambient of 50°C in three different mounting positions – desk mounting, wall mounting and ceiling mounting at the rated input voltage of 240 V a.c. (±10%). During the test the mounting surface did not exceed temperature of 95°C.

Type reference:

TRACO POWER Model reference	CONVERTEC POWER ELECTRONICS Model reference	Manufacturer Model reference
TIW 24-124	INWA 024.010	024UWA184
TIW 24-112	INWA 012.020	024UWA182
TIW 12-124	INWA 024.005	012UWA184
TIW 12-115	INWA 015.008	012UWA183
TIW 12-112	INWA 012.010	012UWA182
TIW 12-105	INWA 005.020	012UWA181
TIW 06-106	INWA 006.010	006UWA189
TIW 06-105	INWA 005.010	006UWA181
TIW 06-103	INWA 003.012	006UWA180

Models can be additionally marked with xxxxxxxx, where "x" or "a" can be any alphanumeric, blank or dash, no impact on safety.

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Ratings:

TIW 24-124 or INWA 024.010:

Input: 100-240Vac; 0,45-0,30A; 50/60Hz
Output: 24Vdc / 1,0A / 24W

TIW 24-112 or INWA 012.020:

Input: 100-240Vac; 0,42-0,32A; 50/60Hz
Output: 12Vdc / 2,0A / 24W

TIW 12-124 or INWA 024.005:

Input: 100-240Vac; 0,33-0,14A; 50/60Hz
Output: 24Vdc / 0,5A / 12W

TIW 12-115 or INWA 015.008:

Input: 100-240Vac; 0,19-0,14A; 50/60Hz
Output: 15Vdc / 0,8A / 12W

TIW 12-112 or INWA 012.010:

Input: 100-240Vac; 0,23-0,15A; 50/60Hz
Output: 12Vdc / 1,0A / 12W

TIW 06-106 or INWA 006.010:

Input: 100-240Vac; 0,15-0,08A; 50/60Hz
Output: 6Vdc / 1,0A / 6W

TIW 06-105 or INWA 005.010:

Input: 100-240Vac; 0,13-0,07A; 50/60Hz
Output: 5Vdc / 1,0A / 5W

TIW 06-103 or INWA 003.012:

Input: 100-240Vac; 0,10-0,05A; 50/60Hz
Output: 3,3Vdc / 1,2A / 4W

TIW 12-105 or INWA 005.020:

Input: 220-240Vac; 0,13A; 50/60Hz
Output: 5Vdc / 2,0A / 10W

Places of manufacture, inspection file number:

The products are manufactured by TRACO POWER SOLUTIONS Ltd. Wexford, Ireland or its subcontractors as disclosed in document »Factory locations SI-SIQ BG 007/074«

Limitation:

/

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