Licence

for the use of SIQ Type Approved certification mark

Number:	**SI-SIQ BG 007/042**	Project file:	C20160883
Product:	**Switch Mode Power Supply for building-in (DIN RAIL)**		
Type reference:	**TSP Series** **see next pages for details**		
Trademark:	TRACO POWER		
Ratings:	See next pages for details		
Applicant / Licensee:	**Traco Power Solutions Ltd.** **Whitemill Industrial Estate Wexford, Ireland**		
Manufacturer:	Traco Power Solutions Ltd. Whitemill Industrial Estate Wexford, 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: SIQ Type Approved Bauart Geprüft

Standard: EN 60950-1:2006 + A1:2010 + A2:2013 + A11:2009 + A12:2011

Test report: T221-0036/16

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: 2016-06-06 **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.

Places of manufacture, inspection file number:

The products are manufactured by Traco Power Solutions Ltd., Wexford, Ireland or its subcontractors as disclosed in document » SI-SIQ BG 007/042 Factory locations «.

Limitation:

This SIQ BG license supersedes previously issued SIQ BG license No. SI-SIQ BG 007/021 dated 2012-06-22 due to update of the test report.

Type reference and ratings:

TRACO POWER Model Reference	Manufacturer Model Reference	Input			Output			
					@ max. ambient 40°C		@ max. ambient 60°C	
		Voltage [VAC]	Current [A]	Frequency [Hz]	Voltage [VDC]	Current [A]	Voltage [VDC]	Current [A]
TSP 070-112	060PSN182	115/230*	2,0/1,0	50/60	12	6,5	12	5,0
TSP 090-124	060PSN184	115/230*	2,1/1,0	50/60	24	3,75	24	2,5
TSP 090-124N	100PSN184	115/230*	2,1/1,0	50/60	24	3,75	24	2,5
TSP 090-148	060PSN185	115/230*	2,1/1,0	50/60	48	2,0	48	1,25
TSP 140-112	120PSN182	115/230**	4,0/2,0	50/60	12	13,0	12	10,0
TSP 180-124	120PSN184	115/230**	4,0/2,0	50/60	24	7,5	24	5,0
TSP 180-148	120PSN185	115/230**	4,0/2,0	50/60	48	4,0	48	2,5
TSP 360-124	240PSN184	115/230**	6,0/3,0	50/60	24	15,0	24	10,0
TSP 360-148	240PSN185	115/230**	6,0/3,0	50/60	48	7,5	48	5,0
TSP 600-124	480PSN184	115/230**	10,0/5,0	50/60	24	26,0	24	20,0
TSP 600-148	480PSN185	115/230**	10,0/5,0	50/60	48	12,5	48	10,0

* Units can be alternatively marked with 100-240V or 115-240V (wide range input).
**Units can be alternatively marked with 100-120 / 220-240VAC
Each model can be alternatively marked with a suffix XX for non safety relevant changes (for example for additional PCB coating). No impact on safety.

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Conclusion:

Unit was also investigated and found to be in compliance with clearance and creepage distance requirements of standard EN 60204-1:2006 + A1:2009 and EN 62477-1:2012 +A11:2014 for OVC III 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. Output must be earthed in the final unit in order to comply with PELV requirements according to standard EN 60204-1:2006 + A1:2009. Unit also complies with clearance and creepage distance requirements of standard EN 61558-2-16:2009 + A1:2013.

Only for TSP600-124, TSP600-148:
Unit was also investigated and found to be in compliance with clearance and creepage distance requirements of standard EN 60204-1:2006 + A1:2009 and EN 50178:1997. Output must be earthed in the final unit in order to comply with PELV requirements according to standard EN 60204-1:2006 + A1:2009. Unit also complies with clearance and creepage distance requirements of standard EN 61558-2-16:2009 + A1:2013.

Date: 2016-06-06 **Authorized signature:** Bojan Pečavar