

Certificate

Issue Date: December 6, 2019
Ref. Report No. ISL-19LE557CE-1-MA

Product Name : THN 10 Series
Model(s) : THN 10-2410WIRzzzzzz; THN 10-2411WIRzzzzzz; THN 10-2412WIRzzzzzz;
THN 10-2413WIRzzzzzz; THN 10-2415WIRzzzzzz; THN 10-2421WIRzzzzzz;
THN 10-2422WIRzzzzzz; THN 10-2423WIRzzzzzz; THN 10-2425WIRzzzzzz;
THN 10-4810WIRzzzzzz; THN 10-4811WIRzzzzzz; THN 10-4812WIRzzzzzz;
THN 10-4813WIRzzzzzz; THN 10-4815WIRzzzzzz; THN 10-4821WIRzzzzzz;
THN 10-4822WIRzzzzzz; THN 10-4823WIRzzzzzz; THN 10-4825WIRzzzzzz;
THN 10-7210WIRzzzzzz; THN 10-7211WIRzzzzzz; THN 10-7212WIRzzzzzz;
THN 10-7213WIRzzzzzz; THN 10-7215WIRzzzzzz; THN 10-7221WIRzzzzzz;
THN 10-7222WIRzzzzzz; THN 10-7223WIRzzzzzz; THN 10-7225WIRzzzzzz;
z can be any alphanumeric or dash or blank



Brand : TRACO POWER
Responsible Party : TRACO ELECTRONIC AG
Address : Sihlbruggstrasse 111 CH-6340 Baar Switzerland
We, **International Standards Laboratory Corp.**, hereby certify that:

The sample ISL received which bearing the trade name and model specified above has been shown to comply with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in European Council Directive EMC Directive 2014/30/EU. And Our laboratories is the accredited laboratories and are approved according to ISO/IEC 17025. The device was passed the test performed according to :



Standards:

EN 55032:2015+AC:2016, CISPR 32: 2015+COR1:2016: Class A
AS/NZS CISPR 32:2015: Class A
EN 55024: 2010+A1:2015 and CISPR 24: 2010+A1:2015
EN 61000-4-2: 2009 and IEC 61000-4-2: 2008
EN 61000-4-3: 2006+A1: 2008 +A2: 2010 and
IEC 61000-4-3:2006+A1: 2007+A2: 2010
EN 61000-4-4:2012 and IEC 61000-4-4:2012
EN 61000-4-5: 2014+A1:2017 and IEC 61000-4-5: 2014+A1:2017
EN 61000-4-6:2014+AC:2015 and IEC 61000-4-6:2013
EN 61000-4-8: 2010 and IEC 61000-4-8: 2009

I attest to the accuracy of data and all measurements reported herein were performed by me or were made under my supervision and are correct to the best of my knowledge and belief. I assume full responsibility for the completeness of these measurements and vouch for the qualifications of all persons taking them.

The determination of the test results is determined by customer agreement, regulations or standard document specifications.

The Laboratory evaluates measurement inaccuracies based on regulatory or standard document specifications and is listed in the report for reference. The quantitative project part judges the conformity of the test results based on the evaluation results of the standard cited uncertainty, and the qualitative project does not temporarily evaluate the measurement uncertainty.

Angus Chu

Angus Chu / Director



International Standards Laboratory Corp.

☐ LT LAB:

No. 120, Lane 180, Hsin Ho Rd., Lung-Tan Dist., Tao Yuan City 325, Taiwan
Tel: 886-3-407-1718; Fax: 886-3-407-1738

CE MARK TECHNICAL FILE

AS/NZS EMC CONSTRUCTION FILE

of

Product Name

THN 10 Series

Model

**THN 10-2410WIRzzzzzz; THN 10-2411WIRzzzzzz; THN
10-2412WIRzzzzzz; THN 10-2413WIRzzzzzz; THN
10-2415WIRzzzzzz; THN 10-2421WIRzzzzzz; THN
10-2422WIRzzzzzz; THN 10-2423WIRzzzzzz; THN
10-2425WIRzzzzzz; THN 10-4810WIRzzzzzz; THN
10-4811WIRzzzzzz; THN 10-4812WIRzzzzzz; THN
10-4813WIRzzzzzz; THN 10-4815WIRzzzzzz; THN
10-4821WIRzzzzzz; THN 10-4822WIRzzzzzz; THN
10-4823WIRzzzzzz; THN 10-4825WIRzzzzzz; THN
10-7210WIRzzzzzz; THN 10-7211WIRzzzzzz; THN
10-7212WIRzzzzzz; THN 10-7213WIRzzzzzz; THN
10-7215WIRzzzzzz; THN 10-7221WIRzzzzzz; THN
10-7222WIRzzzzzz; THN 10-7223WIRzzzzzz; THN
10-7225WIRzzzzzz;**

z can be any alphanumeric or dash or blank

Brand

TRACO POWER



Contains:

1. Declaration of Conformity
2. EN 55032/CISPR 32, AS/NZS CISPR 32 EMI test report
3. EN 55024/CISPR 24, test report
4. Block Diagram and Schematics
5. Users' manual

Declaration of Conformity

Name of Responsible Party: TRACO ELECTRONIC AG
Address of Responsible Party: Sihlbruggstrasse 111 CH-6340 Baar Switzerland
Declares that product: THN 10 Series

Model: THN 10-2410WIRzzzzzz; THN 10-2411WIRzzzzzz;
THN 10-2412WIRzzzzzz; THN 10-2413WIRzzzzzz;
THN 10-2415WIRzzzzzz; THN 10-2421WIRzzzzzz;
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THN 10-7222WIRzzzzzz; THN 10-7223WIRzzzzzz;
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Brand: TRACO POWER
Assembled by: Same as above
Address: Same as above

Conforms to the EMC Directive 2014/30/EU as attested by conformity with the following harmonized standards:

EN 55032:2015+AC:2016, CISPR 32: 2015+COR1:2016: Class A:
Electromagnetic compatibility of multimedia equipment - Emission requirements.
AS/NZS CISPR 32:2015: Class A: Electromagnetic compatibility of multimedia equipment- Emission requirements

Performed Item	Test Performed	Deviation	Result
Conducted emissions from the DC mains power ports	Yes	No	PASS
Telecommunication Port Conducted Emissions (asymmetric mode)	N/A	N/A	N/A
Radiated emissions at frequencies below 1 GHz	Yes	No	PASS
Radiated emissions at frequencies above 1 GHz	Yes	No	PASS
Radiated emissions from FM receivers	N/A	N/A	N/A
Voltage Disturbance Emissions at Antenna Terminals	N/A	N/A	N/A
Differential voltage emissions	N/A	N/A	N/A
Outdoor units of home satellite receiving systems	N/A	N/A	N/A

<to be continued>

EN 55024:2010+A1:2015 and CISPR 24:2010+A1:2015: Information technology equipment-Immunity characteristics - Limits and methods of measurement.

Standard	Description	Results	Criteria
EN 61000-4-2:2009 IEC 61000-4-2:2008	Electrostatic Discharge	Pass	B
EN 61000-4-3:2006+A1:2008 +A2:2010 IEC 61000-4-3:2006+A1:2007+A2:2010	Radio-Frequency, Electromagnetic Field	Pass	A
EN 61000-4-4:2012 IEC 61000-4-4:2012	Electrical Fast Transient/Burst	Pass	B
EN 61000-4-5:2014+A1:2017 IEC 61000-4-5:2014+A1:2017	Surge	Pass	B
EN 61000-4-6:2014+AC:2015 IEC 61000-4-6:2013	Conductive Disturbance	Pass	A
EN 61000-4-8:2010 IEC 61000-4-8:2009	Power Frequency Magnetic Field	Pass	A
EN 61000-4-11:2004+A1:2017 IEC 61000-4-11:2004+A1:2017	Voltage Dips / Short Interruption and Voltage Variation		
	>95% in 0.5 period	N/A	B
	30% in 25 period	N/A	C
	>95% in 250 period	N/A	C

Standard	Description	Results
EN 61000-3-2:2014 IEC 61000-3-2:2014	Limits for harmonics current emissions	N/A
EN 61000-3-3:2013 IEC 61000-3-3:2013	Limits for voltage fluctuations and flicker in low-voltage supply systems.	N/A

We, TRACO ELECTRONIC AG, hereby declare that the equipment bearing the trade name and model number specified above was tested conforming to the applicable Rules under the most accurate measurement standards possible, and that all the necessary steps have been taken and are in force to assure that production units of the same equipment will continue to comply with the requirements.

TRACO ELECTRONIC AG

Date: December 6, 2019

Declaration of Conformity

Name of Responsible Party: TRACO ELECTRONIC AG
Address of Responsible Party: Sihlbruggstrasse 111 CH-6340 Baar Switzerland
Declares that product: THN 10 Series
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z can be any alphanumeric or dash or blank

Brand: TRACO POWER



Assembled by: Same as above

Address: Same as above

Conforms to the EMI part of RCM Mark requirements as attested by conformity with the following standards:

AS/NZS CISPR 32:2015: Class A: Electromagnetic compatibility of multimedia equipment- Emission requirements

We, TRACO ELECTRONIC AG, hereby declare that the equipment bearing the trade name and model number specified above was tested conforming to the applicable Rules under the most accurate measurement standards possible, and that all the necessary steps have been taken and are in force to assure that production units of the same equipment will continue to comply with the requirements.

TRACO ELECTRONIC AG

Date: December 6, 2019