

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST  
CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE)  
CB SCHEME

SYSTEME CEI D'ACCEPTATION MUTUELLE DE  
CERTIFICATS D'ESSAIS DES EQUIPEMENTS  
ELECTRIQUES (IECEE) METHODE OC

## CB TEST CERTIFICATE

## CERTIFICAT D'ESSAI OC

Product  
Produit

DC/DC Converter

Name and address of the applicant  
Nom et adresse du demandeur

TRACO ELECTRONIC AG  
Sihlbruggstrasse 111, CH-6340 Baar, Switzerland

Name and address of the manufacturer  
Nom et adresse du fabricant

TRACO ELECTRONIC AG  
Sihlbruggstrasse 111, CH-6340 Baar, Switzerland

Name and address of the factory  
Nom et adresse de l'usine

*Note: When more than one factory, please report on page 2  
Note: Lorsque il y plus d'une usine, veuillez utiliser la 2<sup>ème</sup> page*

 Additional Information on page 2

Ratings and principal characteristics  
Valeurs nominales et caractéristiques principales

Nominal input voltage: 24 Vdc or 48 Vdc  
Output power: 3 W; 6 W; 10 W or 20 W  
See next pages for details

Trademark (if any)  
Marque de fabrique (si elle existe)



Type of Manufacturer's Testing Laboratories used  
Type de programme du laboratoire d'essais constructeur

/

Model / Type Ref.  
Ref. De type

THL 3WI series, THL 3WISM series, THL 6WI series, THL  
6WISM series, THL 10WI series, THL 10WI-HS (with heatsink)  
series, THL 20WI series, THL 20WI-HS (with heatsink) series.

Additional information (if necessary may also be reported  
on page 2)  
Les informations complémentaires (si nécessaire, peuvent  
être indiqués sur la 2<sup>ème</sup> page

/

 Additional Information on next pages

A sample of the product was tested and found  
to be in conformity with  
Un échantillon de ce produit a été essayé et a été  
considéré conforme à la

IEC 60950-1:2005 (2<sup>nd</sup> Ed.) + A1:2009 + A2:2013

As shown in the Test Report Ref. No. which forms  
part of this Certificate  
Comme indiqué dans le Rapport d'essais numéro de  
référence qui constitue partie de ce Certificat

T223-0757/16; 2016-12-20

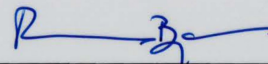
This CB Test Certificate is issued by the National Certification Body  
Ce Certificat d'essai OC est établi par l'Organisme **National de Certification**



SIQ Ljubljana  
Tržaška cesta 2, SI-1000 Ljubljana, Slovenia  
T +386 1 4778 100, F +386 1 4778 444, info@siq.si, www.siq.si  
Product Certification Body is accredited by Slovenian Accreditation, Reg. No.: CP-001

Date: 2016-12-20

Signature: Bojan Pečavar



## List of models with electric ratings:

## THL 3WI series

Traco Power model name	Input voltage range	Rated input current [mA]	Output voltage [Vdc]	Output current [mA]
THL 3-2410WI	nominal: 24 Vdc  range: 9 – 36 Vdc  input fuse: 1500mA	110	3,3	600
THL 3-2411WI		160	5,0	600
THL 3-2412WI		160	12	250
THL 3-2413WI		160	15	200
THL 3-2415WI		160	24	125
THL 3-2421WI		160	±5	±300
THL 3-2422WI		160	±12	±125
THL 3-2423WI		160	±15	±100
THL 3-4810WI		nominal: 48 Vdc  range: 18 – 75 Vdc  input fuse: 800mA	55	3,3
THL 3-4811WI	80		5,0	600
THL 3-4812WI	80		12	250
THL 3-4813WI	80		15	200
THL 3-4815WI	80		24	125
THL 3-4821WI	80		±5	±300
THL 3-4822WI	80		±12	±125
THL 3-4823WI	80		±15	±100

**THL 3WISM series**

Traco Power model name	Input voltage range	Rated input current [mA]	Output voltage [Vdc]	Output current [mA]
THL 3-2410WISM	nominal: 24 Vdc  range: 9 – 36 Vdc  input fuse: 1500mA	110	3,3	600
THL 3-2411WISM		160	5,0	600
THL 3-2412WISM		160	12	250
THL 3-2413WISM		160	15	200
THL 3-2415WISM		160	24	125
THL 3-2421WISM		160	±5	±300
THL 3-2422WISM		160	±12	±125
THL 3-2423WISM		160	±15	±100
THL 3-4810WISM	nominal: 48 Vdc  range: 18 – 75 Vdc  input fuse: 800mA	55	3,3	600
THL 3-4811WISM		80	5,0	600
THL 3-4812WISM		80	12	250
THL 3-4813WISM		80	15	200
THL 3-4815WISM		80	24	125
THL 3-4821WISM		80	±5	±300
THL 3-4822WISM		80	±12	±125
THL 3-4823WISM		80	±15	±100

Units have same construction (electrical and mechanical) as THL 3WI models, except for the potting material.

**THL 6WI series**

Traco Power model name	Input voltage range	Rated input current [mA]	Output voltage [Vdc]	Output current [mA]
THL 6-2410WI	nominal: 24 Vdc  range: 9 – 36 Vdc  input fuse: 1500mA	260	3,3	1450
THL 6-2411WI		300	5,0	1200
THL 6-2412WI		300	12	500
THL 6-2413WI		300	15	400
THL 6-2415WI		300	24	250
THL 6-2421WI		300	±5	±600
THL 6-2422WI		300	±12	±250
THL 6-2423WI		300	±15	±200
THL 6-4810WI	nominal: 48 Vdc  range: 18 – 75 Vdc  input fuse: 750mA	130	3,3	1450
THL 6-4811WI		150	5,0	1200
THL 6-4812WI		150	12	500
THL 6-4813WI		150	15	400
THL 6-4815WI		150	24	250
THL 6-4821WI		150	±5	±600
THL 6-4822WI		150	±12	±250
THL 6-4823WI		150	±15	±200

## THL 6WISM series

Traco Power model name	Input voltage range	Rated input current [mA]	Output voltage [Vdc]	Output current [mA]
THL 6-2410WISM	nominal: 24 Vdc  range: 9 – 36 Vdc  input fuse: 1500mA	260	3,3	1450
THL 6-2411WISM		300	5,0	1200
THL 6-2412WISM		300	12	500
THL 6-2413WISM		300	15	400
THL 6-2415WISM		300	24	250
THL 6-2421WISM		300	±5	±600
THL 6-2422WISM		300	±12	±250
THL 6-2423WISM		300	±15	±200
THL 6-4810WISM		nominal: 48 Vdc  range: 18 – 75 Vdc  input fuse: 750mA	130	3,3
THL 6-4811WISM	150		5,0	1200
THL 6-4812WISM	150		12	500
THL 6-4813WISM	150		15	400
THL 6-4815WISM	150		24	250
THL 6-4821WISM	150		±5	±600
THL 6-4822WISM	150		±12	±250
THL 6-4823WISM	150		±15	±200

Units have same construction (electrical and mechanical) as THL 6WI models, except for the potting material.

## THL 10WI series

Traco Power model name	Input voltage range	Rated input current [mA]	Output voltage [Vdc]	Output current [mA]
THL 10-2410WI	nominal: 24 Vdc  range: 9 – 36 Vdc  input fuse: 2000mA	400	3,3	2200
THL 10-24110WI		500	5,0	2000
THL 10-2411WI		500	5,1	2000
THL 10-2412WI		500	12	830
THL 10-2413WI		500	15	660
THL 10-2415WI		500	24	410
THL 10-2421WI		500	±5	±1000
THL 10-2422WI		500	±12	±410
THL 10-2423WI		500	±15	±330
THL 10-4810WI		nominal: 48 Vdc  range: 18 – 75 Vdc  input fuse: 1000mA	200	3,3
THL 10-48110WI	250		5,0	2000
THL 10-4811WI	250		5,1	2000
THL 10-4812WI	250		12	830
THL 10-4813WI	250		15	660
THL 10-4815WI	250		24	410
THL 10-4821WI	250		±5	±1000
THL 10-4822WI	250		±12	±410
THL 10-4823WI	250		±15	±330

**THL 10WI-HS (with heatsink) series**

Traco Power model name	Input voltage range	Rated input current [mA]	Output voltage [Vdc]	Output current [mA]
THL 10-2410WI-HS	nominal: 24 Vdc  range: 9 – 36 Vdc  input fuse: 2000mA	400	3,3	2200
THL 10-24110WI-HS		500	5,0	2000
THL 10-2411WI-HS		500	5,1	2000
THL 10-2412WI-HS		500	12	830
THL 10-2413WI-HS		500	15	660
THL 10-2415WI-HS		500	24	410
THL 10-2421WI-HS		500	±5	±1000
THL 10-2422WI-HS		500	±12	±410
THL 10-2423WI-HS		500	±15	±330
THL 10-4810WI-HS		nominal: 48 Vdc  range: 18 – 75 Vdc  input fuse: 1000mA	200	3,3
THL 10-48110WI-HS	250		5,0	2000
THL 10-4811WI-HS	250		5,1	2000
THL 10-4812WI-HS	250		12	830
THL 10-4813WI-HS	250		15	660
THL 10-4815WI-HS	250		24	410
THL 10-4821WI-HS	250		±5	±1000
THL 10-4822WI-HS	250		±12	±410
THL 10-4823WI-HS	250		±15	±330

Units have same construction (electrical and mechanical) as THL 10WI models, except for the added heatsink.

## THL 20WI series

Traco Power model name	Input voltage range	Rated input current [mA]	Output voltage [Vdc]	Output current [mA]
THL 20-2410WI	nominal: 24 Vdc  range: 9 – 36 Vdc  input fuse: 5000mA	700	3,3	4500
THL 20-2411WI		940	5,0	4000
THL 20-2412WI		940	12	1670
THL 20-2413WI		940	15	1340
THL 20-2415WI		940	24	835
THL 20-2422WI		940	±12	±835
THL 20-2423WI		940	±15	±670
THL 20-4810WI	nominal: 48 Vdc  range: 18 – 75 Vdc  input fuse: 2500mA	350	3,3	4500
THL 20-4811WI		470	5,0	4000
THL 20-4812WI		470	12	1670
THL 20-4813WI		470	15	1340
THL 20-4815WI		470	24	835
THL 20-4822WI		470	±12	±835
THL 20-4823WI		470	±15	±670



**THL 20WI-HS (with heatsink) series**

Traco Power model name	Input voltage range	Rated input current [mA]	Output voltage [Vdc]	Output current [mA]
THL 20-2410WI-HS	nominal: 24 Vdc  range: 9 – 36 Vdc  input fuse: 5000mA	700	3,3	4500
THL 20-2411WI-HS		940	5,0	4000
THL 20-2412WI-HS		940	12	1670
THL 20-2413WI-HS		940	15	1340
THL 20-2415WI-HS		940	24	835
THL 20-2422WI-HS		940	±12	±835
THL 20-2423WI-HS		940	±15	±670
THL 20-4810WI-HS	nominal: 48 Vdc  range: 18 – 75 Vdc  input fuse: 2500mA	350	3,3	4500
THL 20-4811WI-HS		470	5,0	4000
THL 20-4812WI-HS		470	12	1670
THL 20-4813WI-HS		470	15	1340
THL 20-4815WI-HS		470	24	835
THL 20-4822WI-HS		470	±12	±835
THL 20-4823WI-HS		470	±15	±670

Units have same construction (electrical and mechanical) as THL 20WI models, except for the added heatsink.

**Additional information (if necessary)**  
**Information complémentaire (si nécessaire)**

Date: 2016-12-20

Signature: Bojan Pečavar

