



Ref. Certif. No.

SI-5782

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

Product
Produit

Name and address of the applicant
Nom et adresse du demandeur

Name and address of the manufacturer
Nom et adresse du fabricant

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 a plus d'une usine, veuillez utiliser la 2^{ème} page

Ratings and principal characteristics
Valeurs nominales et caractéristiques principales

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

Additional information (if necessary may also be reported
on page 2)
Les informations complémentaires (si nécessaire, peuvent
être indiqués sur la 2^{ème} page

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

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

CERTIFICAT D'ESSAI OC

DC/DC Converter

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

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

☐ Additional Information on page 2

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

TRACO[®]
POWER

/

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.

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☒ Additional Information on next pages

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

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**



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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	600
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	1450
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	2200
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	2200
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

