



Ref. Certif. No.

**DK-110311-UL**

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

### CB TEST CERTIFICATE

Product

DC/DC Converter

Name and address of the applicant

TRACO ELECTRONIC AG.  
SIHLBRUGGSTRASSE 111, CH-6340 BAAR, SWITZERLAND

Name and address of the manufacturer

TRACO ELECTRONIC AG.  
SIHLBRUGGSTRASSE 111, CH-6340 BAAR, SWITZERLAND

Name and address of the factory



Note: When more than one factory, please report on page 2

Additional Information on page 2

Ratings and principal characteristics

For model: TEN 40-1210N  
Range: 9-18 Vdc External input fuse: 8000 mA, 5270 mA  
See test report for details

Trademark / Brand (if any)



Type of Customer's Testing Facility (CTF) Stage used

Model / Type Ref.

TEN 40-xyN, TEN 40-xyN-HS (x can be 12, 24 or 48, y can be 10, 11, 12, 13, 22 or 23);  
TMR 3-xyE (x can be 05, 12, 24 or 48, y can be 10, 11, 12, 13, 21, 22 or 23)

Additional information (if necessary may also be reported on page 2)

Additionally evaluated to EN 62368-1:2014 / A11:2017  
National Difference specified in the CB Test Report  
 Additional Information on page 2

A sample of the product was tested and found to be in conformity with

IEC 62368-1:2014

As shown in the Test Report Ref. No. which forms part of this Certificate

200803813 issued on 2021-02-23

This CB Test Certificate is issued by the National Certification Body



- UL (US), 333 Pfingsten Rd L 60062, Northbrook, USA
- UL (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
- UL (JP), Marunouchi Trust Tower Main Building 6F, 1-9-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
- UL (CA), 7 Underwriters Road, Toronto, M R 3B4 Ontario, CANADA

For full legal entity names see [www.ul.com/ncbnames](http://www.ul.com/ncbnames)

Date: 2021-02-25

Signature:

Jan-ir torgaar



Ref. Certif. No.

DK-107508-M1-UL

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

CB TEST CERTIFICATE

Product

Name and address of the applicant

Name and address of the manufacturer

Name and address of the factory

Note: When more than one factory, please report on page 2

Ratings and principal characteristics

Trademark (if any)

Customer's Testing Facility (CTF) Stage used

Model / Type Ref.

Additional information (if necessary may also be reported on page 2)

A sample of the product was tested and found to be in conformity with

As shown in the Test Report Ref. No. which forms part of this Certificate

DC/DC Converter

TRACO ELECTRONIC AG.  
SIHLBRUGGSTRASSE 111, CH-6340 BAAR, SWITZERLAND

TRACO ELECTRONIC AG.  
SIHLBRUGGSTRASSE 111, CH-6340 BAAR, SWITZERLAND

[REDACTED]

For model TMR 1-0511SM  
Input: Range: 4.5–9 Vdc (External fuse rating: 500 mA), 298mA  
See Test Report for details

TMR 1-xy, TMR 3-xyWIE, TEN 40-xyWINz, TEN 50-xyz, TEN 40-x15Nz  
 Additional Information on page 2

The report was revised to include technical modifications.  
 Additional Information on page 2

IEC 62368-1:2014

210502701 issued on 2021-06-07

This CB Test Certificate is issued by the National Certification Body



- UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
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- UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
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Date: 2021-06-08  
Original Issue Date: 2020-12-18

Signature:

Jan-Erik Storaard

**Additional Model(s):**

**Series:** TEN 50-xyz (x can be 12, 24 or 48; y can be 10, 11, 12, 13 or 15; z can be blank or -HS);  
TEN 40-x15Nz (x can be 12, 24 or 48; z can be blank or -HS);  
TEN 40-xyWINz (x can be 24 or 48; y can be 10, 11, 12, 13, 15, 22 or 23; z can be blank or -HS);  
TMR 3-xyWIE (x can be 12, 24 or 48; y can be 10, 11, 12, 13, 21, 22 or 23);  
TMR 1-xy (x can be 05, 12, 24 or 48; y can be 11, 12, 13, 21, 22 or 23);  
TMR 1-xySM (x can be 05, 12, 24 or 48; y can be 11, 12, 13, 21, 22 or 23)

**Additionally evaluated to:**

EN 62368-1:2014/A11:2017, EN 62368-1:2014

National differences specified in the CB Test Report.

**Summary of Modifications:**

- Add new models TEN 40-x15Nz Series.;
- Modify description for Model Differences and Product Description.;
- Modify description for new models in Table 4.1.2 and Enclosure list.;
- Correct model designation to TEN 50-xyz.;
- Updated National Difference.

**Additional information (if necessary)**

- UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
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Date: 2021-06-08

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Jan-Erik Storgaard