

Prüfurfkunde - Test Certificate**CM-8820 CT-Adapter 3xl 5A/LoPo****6MF28820AA00/BB****CM-8820 CT-Adapter 3xl 5A/LoPo****6MF28820AA00/BB****Elektrische Sicherheit / Isolation - Electrical safety / Isolation**Prüfung - Test: Sicherheitsbestim. - Safety requirements
Norm - Standard: IEC 61010-1:2010Datum - Date: 19.11.15
Protokoll - Protocol: GC8 TÜV_IT15-124Prüfung - Test: Isol. Wechselfpg. - Dielectric test
Norm - Standard: IEC 61010-1:2010Datum - Date: 28.05.15
Protokoll - Protocol: 6MF28_IO_TUEV15-163Prüfung - Test: Isol. Stoßspg. - Impulse voltage test
Norm - Standard: IEC 61010-1:2010Datum - Date: 28.05.15
Protokoll - Protocol: 6MF28_IO_TUEV15-163**Elektromagnetische Verträglichkeit - Electromagnetic compatibility**Prüfung - Test: Imm. ged.Sinus Schw. - Imm. Ring waves
Norm - Standard: IEC 61000-4-12:2006Datum - Date: 28.05.15
Protokoll - Protocol: 6MF28_IO_TUEV15-163Prüfung - Test: Störfeldstärke - Emission
Norm - Standard: CISPR 22:2008Datum - Date: 28.05.15
Protokoll - Protocol: 6MF28_IO_TUEV15-163Prüfung - Test: Imm. ESD - ESD immunity
Norm - Standard: IEC 61000-4-2:2008Datum - Date: 28.05.15
Protokoll - Protocol: 6MF28_IO_TUEV15-163Prüfung - Test: Imm. HF-Feld - EM field immunity
Norm - Standard: IEC 61000-4-3:2006Datum - Date: 28.05.15
Protokoll - Protocol: 6MF28_IO_TUEV15-163Prüfung - Test: Imm. Burst - Burst immunity
Norm - Standard: IEEE C 37.90.1:2012Datum - Date: 28.05.15
Protokoll - Protocol: 6MF28_IO_TUEV15-163Prüfung - Test: Imm. Burst - Burst immunity
Norm - Standard: IEC 61000-4-4:2012Datum - Date: 28.05.15
Protokoll - Protocol: 6MF28_IO_TUEV15-163Prüfung - Test: Imm. Surge 1,2/50 - Surge imm. 1,2/50µs
Norm - Standard: IEC 61000-4-5:2005Datum - Date: 28.05.15
Protokoll - Protocol: 6MF28_IO_TUEV15-163Prüfung - Test: Imm. HF induziert - Cond. dist. immunity
Norm - Standard: IEC 61000-4-6:2013Datum - Date: 28.05.15
Protokoll - Protocol: 6MF28_IO_TUEV15-163Prüfung - Test: Imm. Magnetfeld 50Hz - HF 50Hz immunity
Norm - Standard: IEC 61000-4-8:2009Datum - Date: 28.05.15
Protokoll - Protocol: 6MF28_IO_TUEV15-163Prüfung - Test: Imm. Magnetfeld Puls - Magn. pulse immunity
Norm - Standard: IEC 61000-4-9:1993Datum - Date: 28.05.15
Protokoll - Protocol: 6MF28_IO_TUEV15-163Prüfung - Test: Imm. 1MHz gedämpft - Oscillatory waves
Norm - Standard: IEC 61000-4-18:2006Datum - Date: 28.05.15
Protokoll - Protocol: 6MF28_IO_TUEV15-163Prüfung - Test: Imm. comm mode dist - Imm. comm mode dist
Norm - Standard: IEC 61000-4-16:1998Datum - Date: 28.05.15
Protokoll - Protocol: 6MF28_IO_TUEV15-163**Umweltprüfungen - Environmental testing**Prüfung - Test: Environm. conditions - Environm. conditions
Norm - Standard: IEC 60870-2-2:1996Datum - Date: 19.01.15
Protokoll - Protocol: 6MF28_IO_AIT_0515VIB

Prüfurfkunde - Test Certificate

CM-8820 CT-Adapter 3xl 5A/LoPo**6MF28820AA00/BB****CM-8820 CT-Adapter 3xl 5A/LoPo****6MF28820AA00/BB**

Prüfung - Test: Klima - Climatic test	Datum - Date: 02.03.15
Norm - Standard: IEC 60068-2-x:	Protokoll - Protocol: 6MF28_IO_AIT_782_US
Prüfung - Test: Fc: Schwingen - Vibrations	Datum - Date: 19.01.15
Norm - Standard: IEC 60068-2-6:2007	Protokoll - Protocol: 6MF28_IO_AIT_0515VIB
Prüfung - Test: Fc: Schwingen - Vibrations	Datum - Date: 19.01.15
Norm - Standard: IEC 60068-3-3:1991	Protokoll - Protocol: 6MF28_IO_AIT_0515VIB
Prüfung - Test: Ea: Schock - Shock	Datum - Date: 19.01.15
Norm - Standard: IEC 60068-2-27:2008	Protokoll - Protocol: 6MF28_IO_AIT_0515VIB
Prüfung - Test: Eb: Dauerschock - Bump	Datum - Date: 19.01.15
Norm - Standard: IEC 60068-2-27:2008	Protokoll - Protocol: 6MF28_IO_AIT_0515VIB

Der Prüfgegenstand hat die Prüfungen bestanden. Nach Abschluss der Prüfungen waren die Eigenschaften unverändert und der Prüfgegenstand voll funktionsfähig.

The equipment has successfully passed the type test. The equipment did not show any changes and was fully in order subsequent to these tests.

Siemens AG ÖsterreichRC-AT EM Digital Grid Products
Development

Wien - Vienna, 30.11.2015

Page 2 of 2

Prüfer - Tested by:
Schachinger Michael
Name / Unterschrift - Signature
Date: 2015.11.30 14:07:02 +01'00'

Geprüft - Reviewed by:
i.A. Stern Peter
Name / Unterschrift - Signature

TEST REPORT

M/IT-15/124

about the following
IT - test-/ research

Applicant: Siemens AG Österreich
Ruthnergasse 3
Austria; 1210 Wien

Product: SICAM I/Os:
DO-8212, DI-8110, DI-8111, DI-8112, DI-8113, AI-8320, AI-8510,
AI-8511, CM-8820

Serial Number: ---

File: GC8_TÜV_IT15-124.pdf

Standard: IEC 61010-1:2010; EN 61010-1:2010

TÜV AUSTRIA SERVICES GMBH
Test laboratory for Telecommunication

Checked by



Ing. Stefan Matzner



19.11.2015

Copy Nr.: 81

Co - Supervisor of EMC
Laboratory



Ing. Andreas Malek

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MARIHART

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Dipl.-Ing. Dr. Stefan
HAAS
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Wels, Vienna, Brixen (I)
and Filderstadt (D)

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Court / - Number:**
Vienna / FN 288476 f

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DVR 3002476

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The results of this test report only refer to the provided equipment.

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1. Applicant

Company:	Siemens AG Österreich
Department	Energy Automation Development
Address	Austria; 1210 Wien; Ruthnergasse 3
Contact Person	Mr. Michael SCHACHINGER

EUT received on	16.09.2015
Date of test	16.09.2015 – 18.11.2015

2. Description of EUT

EUT	DO-8212, DI-8110, DI-8111, DI-8112, DI-8113, AI-8320, AI-8510, AI-8511, CM-8820
Serial Number	---
Manufacturer:	Siemens AG Österreich
Description	Siemens AG Österreich provided the following configuration for the measurements: Dell Laptop; SICAM CMIC with DO-8212, DI-8112, AI-8320, AI-8510, AI-8511, CM-8820

3. Standards / Final Result

Name	Title	Deviations	Result
IEC 61010-1:2010 EN 61010-1:2010	Safety requirements for electrical equipment for measurement, control, and laboratory use Part 1: General requirements	Canada / US	PASS.
PASS EUT passed FAIL EUT failed			

TEST REPORT
IEC 61010-1
Safety requirements for electrical equipment for measurement,
control, and laboratory use
Part 1: General requirements

Report Number: M/IT-15/124

Date of issue: 19.11.2015

Total number of pages: 80

Applicant's name: Siemens AG Österreich

Address: Austria; 1210 Wien; Ruthnergasse 3

Test specification:

Standard: IEC 61010-1:2010 (Third Edition)

Test procedure: CB Scheme

Non-standard test method: ---

Test Report Form No.: IEC61010_1J

Test Report Form(s) Originator: VDE Testing and Certification Institute

Master TRF: 2013-11

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This report is not valid as a CB Test Report unless signed by an approved CB Testing Laboratory and appended to a CB Test Certificate issued by an NCB in accordance with IECEE 02.

Test item description: SICAM I/Os

Trade Mark: **SIEMENS**

Manufacturer: Siemens AG Österreich

Model/Type reference: DO-8212, DI-8110, DI-8111, DI-8112, DI-8113, AI-8320, AI-8510, AI-8511, CM-8820

Ratings: DO-8212: 5VDC±5%, 800mW; DI-8110, DI-8111, DI-8112, DI-8113: 5VDC±5%, 130mW; AI-8320: 5VDC±5%, 180mW; AI-8510, AI-8511: 5VDC±5%, 800mW; CM-8820: max. 450mV; 5A

Testing procedure and testing location:	
<input checked="" type="checkbox"/> CB Testing Laboratory:	TÜV AUSTRIA SERVICES GMBH
Testing location/ address	Deutschstrasse 10 Austria; 1230 Wien
<input type="checkbox"/> Associated CB Laboratory:	
Testing location/ address	
Tested by (name + signature).....:	Ing. Stefan Matzner 
Approved by (name + signature)	Ing. Andreas Malek 
<input type="checkbox"/> Testing procedure: TMP	
Testing location/ address	
Tested by (name + signature).....:	
Approved by (name + signature)	
<input type="checkbox"/> Testing procedure: WMT	
Testing location/ address	
Tested by (name + signature).....:	
Witnessed by (name + signature)	
Approved by (name + signature)	
<input type="checkbox"/> Testing procedure: SMT	
Testing location/ address	
Tested by (name + signature).....:	
Approved by (name + signature)	
Supervised by (name + signature).....:	
<input type="checkbox"/> Testing procedure: RMT	
Testing location/ address	
Tested by (name + signature).....:	
Approved by (name + signature)	
Supervised by (name + signature).....:	