

Prüfurdkunde - Test Certificate**AI-8510 Analog Input 3xU(230V) 3xl(LoPo)****6MF28510AA00/BB****AI-8510 Analog Input 3xU(230V) 3xl(LoPo)****6MF28510AA00/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

AI-8510 Analog Input 3xU(230V) 3xl(LoPo)**6MF28510AA00/BB****AI-8510 Analog Input 3xU(230V) 3xl(LoPo)****6MF28510AA00/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

**Schachinger
Michael**

Digitally signed by Schachinger
Michael
DN: serialNumber=Z001V63N,
givenName=Michael, sn=Schachinger,
Name / Unterschrift - Signature
Date: 2015.11.30 14:06:16 +01'00'

Geprüft - Reviewed by:**i.A. Stern Peter**

Digitally signed by Stern Peter
DN: serialNumber=Z001MUXE, givenName=Peter,
sn=Stern, o=Siemens, cn=Stern Peter
Date: 2015.12.01 14:20:58 +01'00'

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

**TÜV AUSTRIA
SERVICES GMBH**

Office:
Deutschstrasse 10
1230 Vienna/Austria
Tel.:
+43 1 61091-0
Fax:
+43 1 61091-6505
pzw@tuv.at

Division:
Medical Technology/
Communication
Technology/ EMC

Department:
Testing Body for
Communication
Technology/ EMC

Contact:
Ing. Stefan MATZNER
Tel.:
+43 1 61091-6535
stefan.matzner@tuv.at

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MARIHART

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Dipl.-Ing. Dr. Stefan
HAAS
Mag. Christoph
WENNINGER

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1015 Vienna/Austria

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Innsbruck, Klagenfurt,
Linz, Salzburg, St. Pölten,
Wels, Vienna, Brixen (I)
and Filderstadt (D)

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

Bank Details:
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BIC BKAUATWW
RZB
IBAN
AT153100000104093282
BIC RZBAATWW

VAT ATU63240488
DVR 3002476

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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

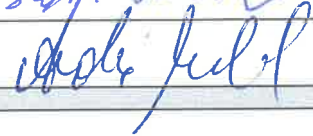
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This report is not valid as a CB Test Report unless signed by an approved CB Testing Laboratory and appended to a CB Test Certificate issued by an NCB in accordance with IECEE 02.

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		
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	Approved by (name + signature)	
	Supervised by (name + signature).....:	