

Prüfurfkunde - Test Certificate**AI-8511 Analog Input 3xU(LoPo) 3xl(LoPo)****6MF28511AA00/BB****AI-8511 Analog Input 3xU(LoPo) 3xl(LoPo)****6MF28511AA00/BB****Elektrische Sicherheit / Isolation - Electrical safety / Isolation**

Prüfung - Test: Sicherheitsbestim. - Safety requirements

Datum - Date: 19.11.15

Norm - Standard: IEC 61010-1:2010

Protokoll - Protocol: GC8 TÜV_IT15-124

Prüfung - Test: Isol. Wechselfpg. - Dielectric test

Datum - Date: 28.05.15

Norm - Standard: IEC 61010-1:2010

Protokoll - Protocol: 6MF28_IO_TUEV15-163

Prüfung - Test: Isol. Stoßspg. - Impulse voltage test

Datum - Date: 28.05.15

Norm - Standard: IEC 61010-1:2010

Protokoll - Protocol: 6MF28_IO_TUEV15-163

Elektromagnetische Verträglichkeit - Electromagnetic compatibility

Prüfung - Test: Imm. ged.Sinus Schw. - Imm. Ring waves

Datum - Date: 28.05.15

Norm - Standard: IEC 61000-4-12:2006

Protokoll - Protocol: 6MF28_IO_TUEV15-163

Prüfung - Test: Störfeldstärke - Emission

Datum - Date: 28.05.15

Norm - Standard: CISPR 22:2008

Protokoll - Protocol: 6MF28_IO_TUEV15-163

Prüfung - Test: Imm. ESD - ESD immunity

Datum - Date: 28.05.15

Norm - Standard: IEC 61000-4-2:2008

Protokoll - Protocol: 6MF28_IO_TUEV15-163

Prüfung - Test: Imm. HF-Feld - EM field immunity

Datum - Date: 28.05.15

Norm - Standard: IEC 61000-4-3:2006

Protokoll - Protocol: 6MF28_IO_TUEV15-163

Prüfung - Test: Imm. Burst - Burst immunity

Datum - Date: 28.05.15

Norm - Standard: IEEE C 37.90.1:2012

Protokoll - Protocol: 6MF28_IO_TUEV15-163

Prüfung - Test: Imm. Burst - Burst immunity

Datum - Date: 28.05.15

Norm - Standard: IEC 61000-4-4:2012

Protokoll - Protocol: 6MF28_IO_TUEV15-163

Prüfung - Test: Imm. Surge 1,2/50 - Surge imm. 1,2/50µs

Datum - Date: 28.05.15

Norm - Standard: IEC 61000-4-5:2005

Protokoll - Protocol: 6MF28_IO_TUEV15-163

Prüfung - Test: Imm. HF induziert - Cond. dist. immunity

Datum - Date: 28.05.15

Norm - Standard: IEC 61000-4-6:2013

Protokoll - Protocol: 6MF28_IO_TUEV15-163

Prüfung - Test: Imm. Magnetfeld 50Hz - HF 50Hz immunity

Datum - Date: 28.05.15

Norm - Standard: IEC 61000-4-8:2009

Protokoll - Protocol: 6MF28_IO_TUEV15-163

Prüfung - Test: Imm. Magnetfeld Puls - Magn. pulse immunity

Datum - Date: 28.05.15

Norm - Standard: IEC 61000-4-9:1993

Protokoll - Protocol: 6MF28_IO_TUEV15-163

Prüfung - Test: Imm. 1MHz gedämpft - Oscillatory waves

Datum - Date: 28.05.15

Norm - Standard: IEC 61000-4-18:2006

Protokoll - Protocol: 6MF28_IO_TUEV15-163

Prüfung - Test: Imm. comm mode dist - Imm. comm mode dist

Datum - Date: 28.05.15

Norm - Standard: IEC 61000-4-16:1998

Protokoll - Protocol: 6MF28_IO_TUEV15-163

Umweltprüfungen - Environmental testing

Prüfung - Test: Environm. conditions - Environm. conditions

Datum - Date: 19.01.15

Norm - Standard: IEC 60870-2-2:1996

Protokoll - Protocol: 6MF28_IO_AIT_0515VIB

Prüfurfkunde - Test Certificate

AI-8511 Analog Input 3xU(LoPo) 3xl(LoPo)

6MF28511AA00/BB

AI-8511 Analog Input 3xU(LoPo) 3xl(LoPo)

6MF28511AA00/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 Österreich

RC-AT EM Digital Grid Products
Development

Wien - Vienna, 30.11.2015

Page 2 of 2

Schachinger
Michael

Prüfer - Tested by:
Digitally signed by Schachinger Michael
DN: serialNumber=Z001V63N,
givenName=Michael, sn=Schachinger,
o=Siemens, cn=Schachinger Michael
Name / Unterschrift - Signature
Date: 2015.11.30 14:06:41 +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 14:20:35 +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.

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Notified Body 0408

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MARIHART

Management:
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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Vienna / FN 288476 f

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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

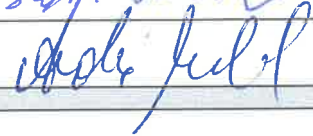
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This report is not valid as a CB Test Report unless signed by an approved CB Testing Laboratory and appended to a CB Test Certificate issued by an NCB in accordance with IECEE 02.

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