

CP-6014 Steuerkopfmodul
CP-6014 Master Control Module

GC6-014--

6MF11130GA140AA0BB

Funktionsprüfungen - Functional testing

Prüfung - Test: Funktion - Functional test
Norm - Norm: ---:

Datum - Date: 20-06-2008
Protokoll - Protocol: 6014-S00_00

Elektrische Sicherheit / Isolation - Electrical safety / Isolation

Prüfung - Test: Isol. Wechselspg. - Dielectric test
Norm - Norm: IEC 60255-5:2000

Datum - Date: 28-05-2008
Protokoll - Protocol: 6014-S55_00

Prüfung - Test: Isol. Stoßspg. - Impulse voltage test
Norm - Norm: IEC 60255-5:2000

Datum - Date: 28-05-2008
Protokoll - Protocol: 6014-S55_00

Elektromagnetische Verträglichkeit - Electromagnetic compatibility

Prüfung - Test: Imm. HF-Feld - EM field immunity
Norm - Norm: IEC 61000-4-3:2006

Datum - Date: 19-06-2008
Protokoll - Protocol: 6014-S03_00

Prüfung - Test: Störfeldstärke - Emission
Norm - Norm: CISPR 22:2005

Datum - Date: 07-04-2008
Protokoll - Protocol: 6014_S22_01

Prüfung - Test: Störfeldstärke - Emission
Norm - Norm: CISPR 22:2005

Datum - Date: 07-04-2008
Protokoll - Protocol: 6014_S22_02

Prüfung - Test: Imm. ESD - ESD immunity
Norm - Norm: IEC 61000-4-2:1995

Datum - Date: 21-05-2008
Protokoll - Protocol: 6014-S02-01

Prüfung - Test: Imm. Burst - Burst immunity
Norm - Norm: IEC 61000-4-4:2004

Datum - Date: 21-05-2008
Protokoll - Protocol: 6014-S04_01

Prüfung - Test: Imm. Burst - Burst immunity
Norm - Norm: IEC 61000-4-4:2004

Datum - Date: 21-05-2008
Protokoll - Protocol: 6014-S04_01

Prüfung - Test: Imm. Surge 1,2/50 - Surge imm. 1,2/50µs
Norm - Norm: IEC 61000-4-5:2005

Datum - Date: 21-05-2008
Protokoll - Protocol: 6014-S05_00

Prüfung - Test: Imm. HF induziert - Cond. dist. immunity
Norm - Norm: IEC 61000-4-6:2003

Datum - Date: 09-06-2008
Protokoll - Protocol: 6014-S06_00

Prüfung - Test: Imm. Magnetfeld 50Hz - HF 50Hz immunity
Norm - Norm: IEC 61000-4-8:1993

Datum - Date: 21-04-2008
Protokoll - Protocol: 6014-S08_00

Prüfung - Test: Imm. Magnetfeld Puls - Magn. pulse immunity
Norm - Norm: IEC 61000-4-9:1993

Datum - Date: 27-05-2008
Protokoll - Protocol: 6014-S09_00

Prüfung - Test: Imm. 1MHz gedämpft - Oscillatory waves
Norm - Norm: IEC 60255-22-1:2005

Datum - Date: 26-05-2008
Protokoll - Protocol: 6014-S12_00

Prüfung - Test: Imm. ESD - ESD immunity
Norm - Norm: IEC 61000-4-2:1995

Datum - Date: 08-05-2007
Protokoll - Protocol: 6014-S02_00

Prüfung - Test: Imm. Burst - Burst immunity
Norm - Norm: IEC 61000-4-4:2004

Datum - Date: 11-05-2007
Protokoll - Protocol: 6014-S04_00

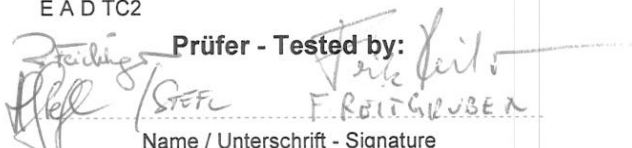
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Energy Automation Development
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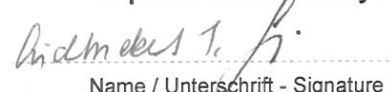
Wien - Vienna, 13-01-2009

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Prüfer - Tested by:


Name / Unterschrift - Signature

Geprüft - Reviewed by:


Name / Unterschrift - Signature

CP-6014 Steuerkopfmodul
CP-6014 Master Control Module

GC6-014--

6MF11130GA140AA0BB

Prüfung - Test: Imm. Burst - Burst immunity
Norm - Norm: IEC 61000-4-4:2004

Datum - Date: 11-05-2007
Protokoll - Protocol: 6014-S04_00

Umweltprüfungen - Environmental testing

Prüfung - Test: Klima - Climatic test
Norm - Norm: IEC 60068-2-x:

Datum - Date: 03-07-2007
Protokoll - Protocol: 6014-S30_00

Prüfung - Test: Fc: Schwingen - Vibrations
Norm - Norm: IEC 60068-2-6:2007

Datum - Date: 18-06-2008
Protokoll - Protocol: 6014_S68_00

Prüfung - Test: Ea: Schock - Shock
Norm - Norm: IEC 60068-2-27:2008

Datum - Date: 18-06-2008
Protokoll - Protocol: 6014_S68_00

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.

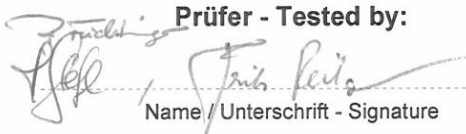
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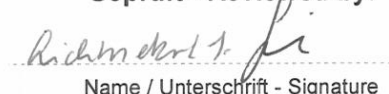
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| | | | |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------|
| Department: PTD EA D TC2-3 | TEST REPORT |  | |
| Tested by / on: F. Haselsteiner / 19.03.2008 H. Stefl / 20.6..2008 | Re: Type Test Functional Testing, Environmental Testing | Report no.: 6014-S00_00 | |
| Released by / on: Lichtnekert J./14.11.2008 | | Account / Request no.: SS.61618.01.50.05.51 | |
| File: 6014-S00_00.doc | | Issued in / on.: Vienna, 20.06.2008 | |
| | | Product: CC4-698-A on GC6-014— | Sheet: 1 |


1. Requirements and Standards Applied

Test requirement acc. to:

GC6-xxx--.xx/42-5.06 TM1703 general functional specification for terminal modules

2. Summary of Test Result

The module **CC4-698-A on GC6-014—** has **passed** the functional tests and temperature tests according to the requirements specification of the developer.
according to: CP-6014

| | | | |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------|
| Department: PTD EA D TC2-3 | TEST REPORT |  | |
| Tested by / on: H. Stefl /2007-05-08 | Re: EMC TYPE TESTING Electrostatic discharge immunity test | Report no.: 6014-S02_00 | |
| Released by / on: Lichtnekert J. / 14.11.2008 | | Account / Request no.: | |
| File: 6014-S02_00.doc | | Issued in / on.: Vienna, 08.05.2007 | |
| | | Products: GC6-014-- | Sheet: 1 |

1. Requirements and Standards Applied

Test requirement acc. to:


GC6-xxx--.xx/42-5.06 TM1703 general functional specification for terminal modules

Test setup and execution were to comply with the following test standard:

| | |
|--------------------------------|---------------------------------------------------------------|
| IEC 61000-4-2 (1995-01) | Electromagnetic compatibility (EMC) |
| + A1 (1998-01) | Part 4-2: Testing and measurement techniques - |
| + A2 (2000-11) | Electrostatic discharge immunity test - Basic EMC publication |
| | (= EN 61000-4-2/1995 + A1/1998 + A2/2001) |

2. Summary of Test Result

The module **CP-6014** has **passed** electrostatic discharge immunity testing acc. to the test requirement when subjected to a disturbance voltage of $\pm 6\text{kV}$ (contact discharge) and $\pm 8\text{kV}$ (air discharge).

| | | | | |
|------------------------------------------------------------|--------------------------------------------------------------------------------------------|-------------------------------------------------------|-------------------------------------------------------------------------------------|-----------|
| Department: PTD EA D TC2-3 | TEST REPORT | |  | |
| Tested by / on: R. Feichtinger, H. Stefl /2008-05-21 | Re: EMC TYPE TESTING Electrostatic discharge immunity test | Report no.: 6014-S02_01 | | |
| Released by / on: Lichtnekert J. / 17.11.2008 | | Account / Request no.: SS.61618.01.50.05.51 | | |
| File: 6014-S02_01.doc | | Issued in / on.: Vienna, 21.05.2008 | | |
| | | Products: GC6-014-- with CC4-698-A | Sheet: 1 | Sheets: 6 |

1. Requirements and Standards Applied

Test requirement acc. to:


GC6-xxx--.xx/42-5.06 TM1703 general functional specification for terminal modules

Test setup and execution were to comply with the following test standard:

| | |
|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IEC 61000-4-2 (1995-01) + A1 (1998-01) + A2 (2000-11) | Electromagnetic compatibility (EMC) Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test - Basic EMC publication (= EN 61000-4-2/1995 + A1/1998 + A2/2001) |
|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

2. Summary of Test Result

The module **CP-6014** has **passed** electrostatic discharge immunity testing acc. to the test requirement when subjected to a disturbance voltage of $\pm 6\text{kV}$ (contact discharge) and $\pm 8\text{kV}$ (air discharge).

| | | | |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------|
| Department: PTD EA D TC2-3 | TEST REPORT |  | |
| Tested by / on: H. Stefl / 2008-06-19 | Re: EMC TYPE TESTING Electromagnetic field immunity test | Report no.: 6014-S03_00 | |
| Released by / on: Lichtnekert J. / 14.11.2008 | | Account / Request no.: SS.61618.01.50.05.51 | |
| File: 6014-S03_00.doc | | Issued in / on: Vienna, 19.16.2008 | |
| | | Product: GC6-014—with CC4-698-A | Sheet: 1 |

1. Requirements and Standards Applied

Test requirement acc. to:

GC6-xxx--.xx/42-5.06 TM1703 general functional specification for terminal modules

Test setup and execution were to comply with the following test standard:

EN 61000-4-3 (2006-05) Electromagnetic compatibility (EMC)
+ A1 (2008-02) Part 4-3: Testing and measurement techniques -
Radiated, radio-frequency, electromagnetic field
immunity test
(= IEC 61000-4-3/2006-02 + AMD1 2007-11)

2. Summary of Test Result

The module **GC6-014--** has **passed** the radio interference immunity test according to the test requirement when subjected to an interference-field strength of .10V/m.
according to: CP6014

| | | | |
|-----------------------------------------------------|----------------------------------------------------------------------------------------|------------------------------------------------------|----------|
| Department: PTD EA D TC2-3 | TEST REPORT | SIEMENS | |
| Tested by / on: H. Stefl / 2007-05-11 | Re: EMC TYPE TESTING Electrical fast transient/burst immunity test | Report no.: 6014-S04_00 | |
| Released by / on: J. Lichtnekert / 2008-11-17 | | Account / Request no.: S.61604.02.70.05.62 | |
| File: 6014-S04_00.doc | | Issued in / on.: Vienna, 11.05.2007 | |
| | | Products: GC6-014-- | Sheet: 1 |

1. Requirements and Standards Applied

Test requirement acc. to:


GC6-xxx--.xx/42-5.06 TM1703 general functional specification for terminal modules

Test setup and execution were to comply with the following test standard:

| | |
|----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IEC 61000-4-4 (2004-07) + Corrig. 1 (2006-08) | Electromagnetic compatibility (EMC) Part 4-4: Testing and measurement techniques - Electrical fast transient/burst immunity test (= EN 61000-4-4/2004-12 Elektromagnetische Verträglichkeit (EMV) Teil 4-4: Prüf- und Messverfahren - Prüfung der Störfestigkeit gegen schnelle transiente elektrische Störgrößen/Burst) |
|----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

2. Summary of Test Result

The module **GC6-014--** has **passed** the electrical fast transient/burst immunity test according to the test requirement when subjected to a disturbance voltage of **2kV**.
according to: CP-6014

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|---------------------------------------------------------|---------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------|
| Department: PTD EA D TC2-3 | TEST REPORT |  | |
| Tested by / on: R. Feichtinger, H. Stefl /2008-05-21 | Re: EMC TYPE TESTING Electrical fast transient/burst immunity test | Report no.: 6014-S04_01 | |
| Released by / on: J. Lichtnekert / 17.11.2008 | | Account / Request no.: SS.61618.01.50.05.51 | |
| File: 6014-S04_01.doc | | Issued in / on.: Vienna, 21.05.2008 | |
| | | Products: GC6-014-- with CC4-698-A | Sheet: 1 |

1. Requirements and Standards Applied

Test requirement acc. to:


GC6-xxx--.xx/42-5.06 TM1703 general functional specification for terminal modules

Test setup and execution were to comply with the following test standard:

| | |
|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IEC 61000-4-4 (2004-07) + Corrig. 1 (2006-08) | Electromagnetic compatibility (EMC) Part 4-4: Testing and measurement techniques - Electrical fast transient/burst immunity test (= EN 61000-4-4/2004-12 Elektromagnetische Verträglichkeit (EMV) Teil 4-4: Prüf- und Messverfahren - Prüfung der Störfestigkeit gegen schnelle transiente elektrische Störgrößen/Burst) |
|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

2. Summary of Test Result

The module **GC6-014--** has **passed** the electrical fast transient/burst immunity test according to the test requirement when subjected to a disturbance voltage of **4kV**.
according to: CP-6014

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|------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------|-------------------------------------------------------------------------------------|-----------|
| Department: PTD EA D TC2-3 | TEST REPORT | |  | |
| Tested by / on: R. Feichtinger, H.Stefl / 2008-05-21 | Re: EMC TYPE TESTING Surge immunity test 1.2/50µs-pulses | Report no.: 6014-S05_00 | | |
| Released by / on: J. Lichtnekert / 2008-11-17 | | Account / Request no.: SS.61618.01.50.05.51 | | |
| File: 6014-S05_00.doc | | Issued in / on.: Vienna, 21.05.2008 | | |
| | | Product: GC6-014—with CC4-698-A | Sheet: 1 | Sheets: 5 |

1. Requirements and Standards Applied

Test requirement acc. to:


GC6-xxx--.xx/42-5.06 TM1703 general functional specification for terminal modules

Test setup and execution were to comply with the following test standard:

IEC 61000-4-5 (2005-11) Electromagnetic compatibility (EMC)
Part 4-5: Testing and measurement techniques -
Surge immunity test

2. Summary of Test Result

The module **GC6-014--** has **passed** the surge immunity test according to the test requirement when subjected to an interference voltage of $\pm 1\text{kV}$ COMMON and $\pm 2\text{kV}$ NORMAL.
according to: CP-6014

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|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------|
| Department: PTD EA D TC2-3 | TEST REPORT |  | |
| Tested by / on: H. Stefl /2008-06-09 | Re: EMC TYPE TESTING Immunity to conducted disturbances, induced by radio-frequency fields | Report no.: 6014-S06_00 | |
| Released by / on: J. Lichtnekert / 2008-11-17 | | Account / Request no.: SS.61618.01.50.05.51 | |
| File: 6014-S06_00.doc | | Issued in / on.: Vienna, 09.06.2008 | |
| | | Product: GC6-014—with CC4-698-A | Sheet: 1 |

1. Requirements and Standards Applied

Test requirement acc. to:


GC6-xxx--.xx/42-5.06 TM1703 general functional specification for terminal modules

Test setup and execution were to comply with the following test standard:

| | |
|--------------------------------|-----------------------------------------------------------------------|
| IEC 61000-4-6 (2003-05) | Electromagnetic compatibility (EMC) |
| + A1 (2004-10) | Part 4-6: Testing and measurement techniques – |
| + A2 (2006-03) | Immunity to conducted disturbances, induced by radio-frequency fields |
| | (= EN 61000-4-6/2007-06) |

2. Summary of Test Result

The module **CP-6014** has **passed** the test of its immunity to conducted disturbances, induced by radio-frequency fields, according to the test requirement when subjected to a disturbance voltage of 10V.

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|-------------------------------------------------------------|----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------|
| Department: PTD EA D TC23 | TEST REPORT |  | |
| Tested by / on: R. Feichtinger, H. Stefl / 2008-05-21 | Re: EMC TYPE TESTING Power frequency magnetic field immunity test | Report no.: 6014-S08_00 | |
| Released by / on: J. Lichtnekert / 2008-11-17 | | Account / Request no.: SS.61618.01.50.05.51 | |
| File: 6014-S08_00.doc | | Issued in / on.: Vienna, 21.05.2008 | |
| | | Product: GC6-014—with CC4-698-A | Sheet: 1 |

1. Requirements and Standards Applied

Test requirement acc. to:


GC6-xxx--.xx/42-5.06 TM1703 general functional specification for terminal modules

Test setup and execution were to comply with the following test standard:

IEC 61000-4-8 (1993-06) Electromagnetic compatibility (EMC)
+ A1 (2000-11) Part 4-8: Testing and measurement techniques -
Power frequency magnetic field immunity test -
Basic EMC publication
(= EN 61000-4-8/1993 + A1/2001)

2. Summary of Test Result

The module **GC6-014--** has **passed** the Power frequency magnetic field immunity test according to the test requirement when subjected to an field strength of 100 A/m permanently and 1000 A/m temporary. according to: CP-6014

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|-----------------------------------------------------|----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------|
| Department: PTD EA D TC23 | TEST REPORT |  | |
| Tested by / on: H. Stefl / 2008-05-27 | Re: EMC TYPE TESTING Pulse magnetic field immunity test | Report no.: 6014-S09_00 | |
| Released by / on: J. Lichtnekert / 17.11.2008 | | Account / Request no.: SS.61618.01.50.05.51 | |
| File: 6014-S09_00.doc | | Issued in / on.: Vienna, 27.05.2008 | |
| | | Product: GC6-014—with CC4-698-A | Sheet: 1 |

1. Requirements and Standards Applied

Test requirement acc. to:


GC6-xxx--.xx/42-5.06 TM1703 general functional specification for terminal modules

Test setup and execution were to comply with the following test standard:

IEC 61000-4-9 (1993-06) Electromagnetic compatibility (EMC)
+ A1 (2000-11) Part 4-9: Testing and measurement techniques -
Pulse magnetic field immunity test
(= EN 61000-4-9/1993 + A1/2001)

2. Summary of Test Result

The module **GC6-014--** has **passed** the Pulse magnetic field immunity test according to the test requirement when subjected to an field strength of 1000 A/m temporary. according to: CP-6014

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|---------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------|
| Department: PTD EA D TC23 | TEST REPORT |  | |
| Tested by / on: R. Feichtinger, H. Stefl /2008-05-26 | Re: EMC TYPE TESTING Damped Oscillatory waves immunity test | Report no.: 6014-S12_00 | |
| Released by / on: J. Lichtnekert / 2008-11-17 | | Account / Request no.: SS.61618.01.50.05.51 | |
| File: 6014-S12_00.doc | | Issued in / on.: Vienna, 26.05.2008 | |
| | | Product: GC6-014—with CC4-698-A | Sheet: 1 |

1. Requirements and Standards Applied

Test requirement acc. to:


GC6-xxx--.xx/42-5.06 TM1703 general functional specification for terminal modules

Test setup and execution were to comply with the following test standard:

- IEC 60255-22-1 (2005-03)** Electrical relays
Part 22-1: Electrical disturbance tests for measuring relays and protection equipment - 1 MHz burst immunity tests (= EN 60255-22-1/2005-11)
- IEC 61000-4-12 (2006-09)** Electromagnetic compatibility (EMC)
Part 4-12: Testing and measurement techniques - Oscillatory waves immunity test - Basic EMC Publication (= EN 61000-4-12/2006-12)

2. Summary of Test Result

The module **CP-6014** has **passed** the oscillatory waves immunity test according to the test requirement when subjected to a disturbance voltage of **±2,5kV COMMON** and **Normal**.

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|---------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------|
| Department: PTD EA D TC2-3 | TEST REPORT |  | |
| Tested by / on: R. Feichtinger / 2008-04-07 | Re: EMC TYPE TESTING Radio-Interference-Field Strength | Report no.: 6014_S22_01 | |
| Released by / on: Stefl H. /2008-11-17 | | Account / Request no.: | |
| File: 6014-S22_01.doc | | Issued in / on.: Vienna, 07.04.2008 | |
| | | Product: GC6-014-- | Sheet: 1 |

1. Requirements and Standards Applied

Test requirement acc. to:


GC6-xxx--.xx/42-5.06 TM1703 general functional specification for terminal modules

Test setup and execution were to comply with the following test standard:

CISPR 22 (2005-04) mod. Information technology equipment -
+ AMD 1 (2005-07) Radio disturbance characteristics –
+ AMD 2 (2006-01) Limits and methods of measurement
(= EN 55022/2006-09)

2. Summary of Test Result

The module **CP-6014** has **passed** the radio-interference-field strength test (class A) according to the test requirement.

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|---------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------|
| Department: PTD EA D TC2-3 | TEST REPORT |  | |
| Tested by / on: R. Feichtinger / 2008-04-07 | Re: EMC TYPE TESTING Radio-Interference-Field Strength | Report no.: 6014_S22_02 | |
| Released by / on: Steff H. /17.11.2008 | | Account / Request no.: SS.61618.01.50.05.51 | |
| File: 6014-S22_02.doc | | Issued in / on.: Vienna, 07.04.2008 | |
| | | Product: GC6-014—with CC4-698-A | Sheet: 1 |

1. Requirements and Standards Applied

Test requirement acc. to:


GC6-xxx--.xx/42-5.06 TM1703 general functional specification for terminal modules

Test setup and execution were to comply with the following test standard:

CISPR 22 (2005-04) mod. Information technology equipment -
+ AMD 1 (2005-07) Radio disturbance characteristics –
+ AMD 2 (2006-01) Limits and methods of measurement
(= EN 55022/2006-09)

2. Summary of Test Result

The module **CP-6014** has **passed** the radio-interference-field strength test (class A) according to the test requirement.

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|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------|
| Department: PTD EA D TC23 | TEST REPORT |  | |
| Tested by / on: F. Reitgruber, H. Stefl, July 2007 | Re: Environmental Testing Dry Haet, Cold Product: GC6-014-- | Report no.: 6014-S30_00 | |
| Released by / on: Lichtnekert J. / 14.11.2008 | | Account / Request no.: | |
| File: 6014-S30_00.doc | | Issued in / on.: Vienna, 03.07.2008 | |
| | | Sheet: 1 | Sheets: 14 |

1. Requirements and Standards Applied

Test requirement acc. to:


GC6-xxx--.xx/42-5.06 TM1703 general functional specification for terminal modules

Test setup and execution were to comply with the following test standard:

- | | |
|---------------------------------|-----------------------------------------------------------------------------------------------------------|
| IEC 60068-2-1 (2007-03) | Environmental testing - Part 2: Tests; Tests A: Cold (= EN 60068-2-1:2007-04) |
| IEC 60068-2-2 (2007-07) | Basic environmental testing procedures - Part 2: Tests; Tests B: Dry heat (= EN 60068-2-2:2007-09) |
| IEC 60068-2-78 (2001-08) | Environmental testing - Part 2-78: Tests; Test Cab: Damp heat, steady state (= EN 60068-78:2001-10) |

2. Summary of Test Result

The module **identification** has **passed** the environmental test according to the test requirement when subjected to dry heat (70°C/10%) and cold (-25°C).
according to: CP-6014

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|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------|
| Department: PTD EA D TC2-3 | TEST REPORT |  | |
| Tested by / on: R. Feichtinger / 2008-05-28 | Re: EMC TYPE TESTING Insulation Tests Products: GC6-014—with CC4-698-A | Report no.: 6014-S55_00 | |
| Released by / on: Stefl H. / 14.11.2008 | | Account / Request no.: SS.61618.01.50.05.51 | |
| File: 6014-S55_00.doc | | Issued in / on.: Vienna, 28.05.2008 | |
| | | Sheet: 1 | Sheets: 6 |

1. Requirements and Standards Applied

Test requirement acc. to:

GC6-xxx--.xx/42-5.06 TM1703 general functional specification for terminal modules

Test setup and execution were to comply with the following test standard:


IEC 60255-5 (2000-12) Electrical relays -
Part 5: Insulation coordination for measuring relays and
protection equipment; Requirements and tests
(= EN 60255-5/2001-04)

2. Summary of Test Result

The module **Bezeichnung** passed the insulation tests according to the test requirement

- a) dielectric voltage test using a test voltage of 1,5 kV_{eff}
- b) impulse voltage test using a test voltage of .2,5 kV_s

according to: CP-6014

| | | | |
|---------------------------------------------|--------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------|
| Department: PTD EA D TC23 | TEST REPORT |  | |
| Tested by / on: H. Stefl / 2008-06-18 | Re: Environmental Testing Vibration (sinusoidal), Shock | Report no.: 6014_S68_00 | |
| Released by / on: Lichtnekert / 14.11.08 | | Account / Request no.: S.61618.01.50.05.51 | |
| File: 6014-S68_00.doc | | Issued in / on.: Vienna, 2008-07-03 | |
| | | Product: GC6-014—with CC4-698-A | Sheet: 1 |

1. Requirements and Standards Applied

Test requirement acc. to:

GC6-xxx--.xx/42-5.06 TM1703 general functional specification for terminal modules

Test setup and execution were to comply with the following test standard:

IEC 60068-2-6 (2007-12) Environmental testing
Part 2: Tests - Test Fc: Vibration (sinusoidal)
(= EN 60068-2-6/2008-02)

IEC 60068-2-27 (2008-02) Environmental testing
Part 2: Tests. Test Ea and guidance: Shock

2. Summary of Test Result

The module **GC6-014--** has **passed** the Environmental test "Vibration (sinusoidal) and Shock" according to the test requirement with 1g/1,5g by the Vibration testing and 10g/15g by the Shock testing.
according to: CP-6014