LAB N° 1356 L

TEST REPORT
IEC 61000-6-4 & IEC 61000-6-2
Electromagnetic compatibility (EMC)
Generic standards - Emission & Immunity for industrial environments

Report Reference No. .....:	IT22WFPJ 002
Date of issue: .....:	16/01/2023
Total number pages:.....:	74
Name of Testing Laboratory preparing the Report.....:	TÜV Rheinland Italia S.r.l. Via E. Mattei, 3 20005 Pogliano Milanese (MI) - IT
Applicant's name .....:	HIGECO MORE S.r.l.
Address .....:	Viale Europa 71 – 32100 Belluno (BL) - Italy
Test specification:	Full test according to Standard(s)
Standard.....:	IEC 61000-6-4:2018 IEC 61000-6-2:2016
Test Result	PASS
Non-standard test method.....:	N/A
Test Report Form No. .....:	TRF EMC 61000-6-4 + 61000-6-2
Test Report Form(s) Originator....:	TÜV Rheinland Italia
Master TRF .....:	2022-10-18

General disclaimer:

The test results reported in this test report shall refer only to the samples tested as received.
TRI is not responsible for the sampling phase.
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TRI refuses any responsibility about information supplied by the customer contained in this test report.

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Test item description ..... :	CCI – Central Plant Controller
Trademark ..... :	Higeco More
Manufacturer ..... :	**HIGECO MORE S.R.L.,** Viale Europa 71, 32100 Belluno BL,- Italy
Model/Type reference ..... :	Product code: Q01-HSC-4T2F-10DI-PA
Ratings ..... :	230 Vac 50/60Hz 10A max. and 12V internal battery back-up

Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):

☒ **Testing Laboratory:**		
Testing location/ address ..... :	TÜV Rheinland Italia S.r.l. Via E. Mattei, 3 20005 Pogliano Milanese (MI) - IT	
Tested by (name, function, signature) ..... :	**Roberto Radice** (Laboratory technician)	
	Riccardo Morandi (Laboratory technician)	
Approved by (name, function, signature) .. :	**Andrea Bortolotti** (Reviewer)	

Release control record:

TEST REPORT NUMBER	REASON OF CHANGE	ISSUE DATE
IT22WFPJ 001	Original release	25/11/2022
IT22WFPJ 002	Added Hardware and Software version at par. 1.3 This version cancel and replace the previous version 001	16/01/2023

List of Attachments (including a total number of pages in each attachment):

Summary of testing:

IEC 61000-6-4:2018			**TÜV RHEINLAND ITALIA S.r.l.** Via E. Mattei, 3 20005 Pogliano Milanese (MI) – Italy
☒	4.1	Conducted disturbances AC Mains port	
☐	4.1	Click discontinuous disturbances AC Mains port	
☒	5.1	Conducted disturbances other wired ports	
☒	3.1	Radiated disturbance SAC method – Radiated emission 30 MHz to 1 000 MHz	
☒	3.4	Radiated disturbance SAC method – Radiated emission 1 GHz to 6 GHz	
☐	A.1.1	Conducted disturbances DC power port (V-AN) (informative test only)	
IEC 61000-6-2:2016			
☒	1.1	Power-frequency magnetic field	
☒	1.2	Radio-frequency electromagnetic field. Amplitude modulated (80 to 1 000MHz)	
☒	1.3	Radio-frequency electromagnetic field. Amplitude modulated (1 to 6 GHz)	
☒	1.4	Electrostatic Discharge	
☒ ☐ ☒	2.1 3.1 4.1	Radio-frequency, common mode (Signal/control ports) Radio-frequency, common mode (DC power ports) Radio-frequency, common mode (AC power ports)	
☒ ☐ ☒	2.2 3.2 4.4	Surges (Signal/control ports) Surges (DC power ports) Surges (AC power ports)	
☒ ☐ ☒	2.3 3.3 4.5	Fast Transients (Signal/control ports) Fast Transients (DC power ports) Fast Transients (AC power ports)	
☒ ☒	4.2 4.3	Voltage dips Voltage interruptions	

Summary of compliance with National Differences (List of countries addressed):

☒ **The product fulfils the requirements of:**

(EN 61000-6-2:2019 + EN 61000-6-4:2019)

Decision Rule

Statements of conformity (PASS or FAIL) to specifications are made in this report without taking measurement uncertainty into account.

Where statements of conformity are made in this report, the following decision rules are applied:
PASS – Results within limits/specifications
FAIL – Results exceed limits/specifications

Copy of marking plate:

Test item particulars..... :	CCI – Central Plant Controller
Classification of installation and use..... :	Fixed installation in heavy industry environments.
Supply Connection..... :	Wired cord (L/N with PE)
..... :	
Possible test case verdicts:	
- test case does not apply to the test object ..... :	N/A
- test object does meet the requirement ..... :	P (Pass)
- test object does not meet the requirement ..... :	F (Fail)
Testing..... :	
Date of receipt of test item ..... :	04/10/2022 (Storage N° A003347144-002)
Date(s) of performance of tests..... :	From 04/10/2022 to 07/11/2022

General remarks:

"(See Enclosure #)" refers to additional information appended to the report.
"(See appended table)" refers to a table appended to the report.

Throughout this report a ☐ comma / ☒ point is used as the decimal separator.

When differences exist; they shall be identified in the General product information section.

Name and address of factory (ies) ..... : **HIGECO MORE S.R.L.,** Viale Europa 71, 32100 Belluno BL,- Italy

General product information (GPI) and other remarks:

The Higeco More CCI is a monitoring and control system for power generation plants, complying CEI 0-16 2022-03 Annexes O and T standard.
The installation of the CCI makes it possible to meet the requirements introduced by Arera Resolution 540/21 for plants of rated power greater than 1 MW and installed in MV, both new and existing.