



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX INE 16.0057X** Page 1 of 4 Certificate history:
Status: **Current** Issue No: 2 [Issue 1 \(2018-12-21\)](#)
[Issue 0 \(2017-03-03\)](#)
Date of Issue: 2023-01-06
Applicant: **Schneider Electric**
Site Horizon, 8ème rue, ZI Carros
F - 06516, Carros cedex
France
Equipment: **MAGELIS GTO Advanced Terminals type HMIGTO...***
Optional accessory:
Type of Protection: **nA nC tc**
Marking: Ex nA nC IIC T5 Gc
Ex tc IIIC T100°C Dc

Approved for issue on behalf of the IECEx
Certification Body:

Position:

Signature:
(for printed version)

Date:
(for printed version)



Thierry HOUEIX

Ex Certification Officer

2023-01-06

Signé électroniquement
Digitally signed by
Thierry HOUEIX
Ex Certification Officer
Délégué Certification

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Certificate issued by:

INERIS
Institut National de l'Environnement Industriel et des Risques
BP n2 / Parc Technologique ALATA
F-60550 Verneuil-en-Halatte
France



controlling risks
for sustainable development



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Manufacturer: **Schneider Electric**
Site Horizon, 8ème rue, ZI Carros
F - 06516, Carros cedex
France

Manufacturing locations: **WUXI Pro-face Co., Ltd**
No.516 Xida Road
Wuxi, Jiangsu 214111
China

**PT SCHNEIDER ELECTRIC
MANUFACTURING BATAM**
JL Beringin Lot 04
Batamindo Industrial Park
Muka Kuning,
BATAM INDONESIA, 29433
Indonesia

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

[IEC 60079-0:2011](#) Explosive atmospheres - Part 0: General requirements
Edition:6.0

[IEC 60079-15:2010](#) Explosive atmospheres - Part 15: Equipment protection by type of protection "n"
Edition:4

[IEC 60079-31:2013](#) Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Reports:

[FR/INE/ExTR16.0059/00](#)

[FR/INE/ExTR16.0059/01](#)

Quality Assessment Report:

[FR/INE/QAR10.0006/15](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

MAGELIS GTO advanced terminals type HMIGTO...* are user interfaces designed for operator control and monitoring machines. They are intended to be mounted on electric cabinet and include a resistive touch-screen, a box unit and printed circuit boards.

The terminals are non-sparking during conditions of normal operation and are protected by protection modes Ex nA and Ex tc except the resistive touch-screen display which is protected by Ex nC as being hermetically sealed.

MAGELIS GTO advanced terminals type HMIGTO...* are designed to be supplied by 24V_{DC}.

For a use in zone 2 for Gas application, the advanced terminal shall be mounted in an enclosure EPL Gc insuring a minimal ingress protection IP54.

For a use in zone 22 for Dust application, the advanced terminal shall be mounted in an enclosure EPL Dc insuring a minimal ingress protection IP6X.

SPECIFIC CONDITIONS OF USE: YES as shown below:

-MAGELIS GTO advanced terminal type HMIGTO...* shall be installed in an additional enclosure EPL Gc insuring a minimal protection level IP54 for a Gas application, and in an enclosure EPL Dc insuring a minimal ingress protection IP6X for dust application in accordance with the requirements of IEC 60079-0:2011, IEC 60079-15:2010 and IEC 60079-31:2013 standards.

-The enclosure equipped with advanced terminals type HMIGTO...* shall not be opened when an explosive atmosphere is present and shall be used in an environment of not more than Pollution Degree 2 as defined in IEC60664-1.

-The user shall take into consideration during the installation of advanced terminals type HMIGTO...*, that the product underwent only a shock corresponding to an energy of a low risk at 2J.

-MAGELIS GTO advanced terminals type HMIGTO...* present a potential electrostatic charging hazard, safety precautions are defined in the instructions guide.

-MAGELIS GTO advanced terminals type HMIGTO...* must not be exposed at direct sunlight.

-The power supply cable, communication cables, USB or mini-USB connectors and RJ45 connectors must not be disconnected while circuit is live.

-Fuses do not have to be changed in presence of explosive atmosphere.

(* See table of equipment description)

The other conditions are stipulated in the instructions.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

For issue 02:

New address for the manufacturing location WUXI PRO-FACE CO., LTD.

For issue 01:

Addition of two manufacturing locations :

- WUXI Pro-face Co., Ltd (CHINA).
- PT SCHNEIDER ELECTRIC MANUFACTURING BATAM (INDONESIA).

Annex:

[IECEX INE 16.0057X-02_Annex.pdf](#)



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PARAMETERS RELATING TO THE SAFETY

The terminals have to be supplied with the following rated voltage:

| | U_n (V _{D.C.}) |
|------------|----------------------------|
| HMIGTO...* | 24 |

MARKING

Marking has to be readable and indelible; it has to include the following indications:

- SCHNEIDER ELECTRIC
06516 CARROS
FRANCE
- HMIGTO...* (* see descriptive table of equipment below)
- IECEX INE 16.0057X
- (Serial number)
- Ex nA nC IIC T5 Gc
- Ex tc IIIC T100°C Dc
- T_{amb}: 0°C to +50°C or 0°C to +55°C

Marking may be carried out in the language of the country of use.

The equipment has also to carry the marking normally stipulated by its construction standards.

DESCRIPTIVE TABLE OF EQUIPMENT:

| MAGELIS GTO | | |
|-----------------------|--|------------------------------|
| Product HMIGTO...* | Description | Ambient temperature range |
| HMIGTO1300 | Display 3"5 QVGA TFT 65K colours, Touch Screen (Analogue Touch Panel), 24V DC supply, 6 function keys, Flash Memory, 2 serial lines and 2 USB ports | 0°C to + 50°C |
| HMIGTO1310 | Display 3"5 QVGA TFT 65K colours, Touch Screen (Analogue Touch Panel), 24V DC supply, 6 function keys, Flash Memory, One serial line, LAN port and 2 USB ports | 0°C to + 50°C |
| HMIGTO2300 | Display 5"7 QVGA TFT 65K colours, Touch Screen (Analogue Touch Panel), 24V DC supply, Flash Memory (Smaller size), 2 serial lines, LAN port and 2 USB ports | 0°C to + 50°C |
| HMIGTO2310 | Display 5"7 QVGA-TFT 65K colours, Touch Screen (Analogue Touch Panel), 24V DC supply, Flash Memory, SD card slot, 2 serial lines, LAN port and 2 USB ports | 0°C to + 55°C |
| HMIGTO2315 | Display 5"7 QVGA TFT 65K colours, Touch Screen (Analogue Touch Panel), Stainless Steel Front Face, 24V DC supply, Flash Memory, SD card slot, 2 serial lines, LAN port and 2 USB ports | 0°C to + 55°C |
| HMIGTO3510 | Display 7"0 WVGA TFT 65K colours, Touch Screen (Analogue Touch Panel), 24V DC supply, 8 function keys, Flash Memory (Smaller size), SD card slot, 2 serial lines, LAN port and 2 USB ports | 0°C to + 50°C |
| HMIGTO4310 | Display 7"5 VGA TFT 65K colours, Touch Screen (Analogue Touch Panel), 24V DC supply, Flash Memory, SD card slot, 2 serial lines, LAN port and 2 USB ports | 0°C to + 55°C |



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| MAGELIS GTO | | |
|------------------------------|---|------------------------------|
| Product HMIGTO...* | Description | Ambient temperature range |
| HMIGTO5310 | Display 10"4 VGA TFT 65K colours, Touch Screen (Analogue Touch Panel), 24V DC supply, Flash Memory, SD card slot, 2 serial lines, LAN port and 2 USB ports | 0°C to + 55°C |
| HMIGTO5315 | Display 10"4 VGA TFT 65K colours, Touch Screen (Analogue Touch Panel), Stainless Steel Front Face, 24V DC supply, Flash Memory, SD card slot, 2 serial lines, LAN port and 2 USB ports | 0°C to + 55°C |
| HMIGTO6310 | Display 12"1 SVGA 65K colours, Touch Screen (Analogue Touch Panel), 24V DC supply, Flash Memory, SD card slot, 2 serial lines, LAN port and 2 USB ports | 0°C to + 55°C |
| HMIGTO6315 | Display 12"1 SVGA TFT 65K colours, Touch Screen (Analogue Touch Panel), Stainless Steel Front Face, 24V DC supply, Flash Memory, SD card slot, 2 serial lines, LAN port and 2 USB ports | 0°C to + 55°C |

All models may be followed by alphanumeric characters and there is no impact safety related critical components and constructions.

ROUTINE EXAMINATIONS AND TESTS

None