



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 16.0016X** Page 1 of 4 Certificate history:
Status: **Current** Issue No: 2 [Issue 1 \(2018-12-21\)](#)
[Issue 0 \(2016-04-14\)](#)
Date of Issue: 2023-01-06
Applicant: **SCHNEIDER ELECTRIC**
Site Horizon
8eme rue, ZI Carros
06516 CARROS
France
Equipment: **Graphic Terminal type HMISTU...* or HMISCU...* or HMIS...***
Optional accessory:
Type of Protection: **nA nC tc**
Marking: Ex nA nC IIC T4 Gc
Ex tc IIIC T135°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
8eme rue, ZI Carros
06516 CARROS
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/ExTR16.0016/00](#)

[FR/INE/ExTR16.0016/01](#)

Quality Assessment Report:

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



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Graphic terminals type HMISTU...* or HMISCU...* or HMIS...* are user interfaces which include a touch-screen display, a box unit and printed circuit boards. They are non-sparking during conditions of normal operation and are protected by protection modes Ex nA and Ex tc, except the touch-screen display and relays which are protected by Ex nC.

For a use in zone 2 for Gas application, the graphic 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 graphic terminal shall be mounted in an enclosure EPL Dc insuring a minimal ingress protection IP6X.

The equipment is classified:

- Gc for Gas Group IIC and Temperature Class T4 for Gas application;
- Dc for Dust Group IIIC and Temperature Class T135°C for Dust application.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- The equipment is intended to be used in an operating temperature range from 0°C to 50°C.
- Graphic terminal type HMISTU...* or HMISCU...* or HMIS...* have to be installed in an additional enclosure insuring a minimal protection level IP54 for a Gc equipment, IP6X for Dc equipment in accordance with the requirements of IEC 60079-0:2011, IEC 60079-15:2010 and IEC 60079-31:2013 standards.

The enclosure equipped with graphic terminals type HMISTU...* or HMISCU...* or HMIS...* have to be certified and shouldn't 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 IEC 60664-1.

- During the installation, the user will take into consideration that the equipment underwent only a shock corresponding to energy of a low risk.
- Graphic terminals type HMISTU...* or HMISCU...* or HMIS...* present a potential electrostatic charging hazard, safety precautions are defined in the instructions guide.
- Graphic terminals type HMISTU...* or HMISCU...* or HMIS...* do not have to be exposed at direct sunlight.
- The power supply cable, communication cables, USB or mini-USB connectors and RJ45 connectors do not have to be disconnected while circuit is live.
- Fuses do not have to be changed in presence of explosive atmospheres.

The other conditions are stipulated in the instructions guide.



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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 manufacturing location:

- PT SCHNEIDER ELECTRIC MANUFACTURING BATAM (INDONESIA).

Modification of the legal name of the following manufacturing location:

- "WUXI Pro-face Co., Ltd (CHINA)" instead of "WUXI Pro-face electronics Co., Ltd".

Annex:

[IECEX INE 16.0016X-02_Annex.pdf](#)



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PARAMETERS RELATING TO THE SAFETY

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

	Un (V.D.C.)
HMISTU...* or HMISCU...* or HMIS...*	24

MARKING

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

- SCHNEIDER ELECTRIC
06516 CARROS
FRANCE
- HMISTU...* or HMISCU...* or HMIS...* (* see descriptive table of equipment below)
- IECEX INE 16.0016X
- (Serial number)
- Ex nA nC IIC T4 Gc
- Ex tc IIC T135°C Dc
- Tamb: 0°C to +50°C
- **WARNINGS:**
 - DO NOT DISCONNECT WHEN CIRCUIT IS LIVE
 - POTENTIAL ELECTROSTATIC CHARGING HAZARD – SEE INSTRUCTIONS.

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 :

HMISTU...*	
Product	Description
HMISTU655	Small panel 3.5" LCD
HMISTU855	Small panel 5.7" LCD
HMIS5T	Rear module STU

HMISCU...*	
Product	Product
HMISCU6A5	HMISCU6A5
HMISCU8A5	HMISCU8A5
HMISAC	HMISAC
HMISCU6B5	HMISCU6B5
HMISCU8B5	HMISCU8B5
HMISBC	Rear module SCU (process version)

HMIS...*	
Product	Product
HMIS65	HMIS65
HMIS85	HMIS85

ROUTINE EXAMINATIONS AND TESTS

- None