IECEx Certificate
of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification Scheme for Explosive Atmospheres

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

Certificate No.:	IECEx INE 16.0016X	Issue No: 0	Certificate history: Issue No. 0 (2016-04-14)
Status:	**Current**	Page 1 of 3	
Date of Issue:	**2016-04-14**		
Applicant:	**SCHNEIDER AUTOMATION SAS** Site Horizon 8eme rue, ZI Carros 06516 CARROS **France**		
Electrical Apparatus: *Optional accessory:*	**Graphic Terminal type HMISTU…* or HMISCU…* or HMIS…***		
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: Thierry HOUEIX

Position: Ex Certification Officer

Signature:
(for printed version)

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the Official IECEx Website.

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Manufacturer:

SCHNEIDER AUTOMATION SAS
Site Horizon
8eme rue, ZI Carros
06516 CARROS
France

Additional Manufacturing location(s):

WUXI Pro-face Electronics Co., Ltd
No.20 Hangjiang Road
National Hi-tech Industrial Development District
214028 Wuxi
China

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 electrical apparatus 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
Edition:6.0
Explosive atmospheres - Part 0: General requirements

IEC 60079-15 : 2010
Edition:4
Explosive atmospheres - Part 15: Equipment protection by type of protection "n"

IEC 60079-31 : 2013
Edition:2
Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"

*This Certificate **does not** indicate compliance with electrical 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 Report:

FR/INE/ExTR16.0016/00

Quality Assessment Report:

FR/INE/QAR10.0006/04   FR/INE/QAR12.0002/02

Schedule

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.
 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.

CONDITIONS OF CERTIFICATION: 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.
- 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.

Annex:

IECEx INE 16.0016X-00_Annex.pdf

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PARAMETERS RELATING TO THE SAFETY

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

	U_n ($V_{D.C.}$)
HMISTU…* or HMISCU…* or HMIS…*	24

MARKING

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

- SCHNEIDER AUTOMATION SAS
  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 IIIC T135°C Dc
- T_{amb}: 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	Description
HMISCU6A5	Small controller panel 3.5" LCD (machine version)
HMISCU8A5	Small controller panel 5.7" LCD (machine version)
HMISAC	Rear module SCU (machine version)
HMISCU6B5	Small controller panel 3.5" LCD (process version)
HMISCU8B5	Small controller panel 5.7" LCD (process version)
HMISBC	Rear module SCU (process version)

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HMIS...*	
Product	Description
HMIS65	Front display 3.5" LCD
HMIS85	Front display 5.7" LCD

ROUTINE EXAMINATIONS AND TESTS

- None