



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 LCI 09.0011U issue No.:1
Status: Current
Date of Issue: 2010-02-11 Page 1 of 4

Certificate history:
Issue No. 1 (2010-2-11)
Issue No. 0 (2009-3-2)

Applicant: **ATX**
E.I.N.
35 Rue André Durouchez
80084 Amiens Cedex 2
France

Electrical Apparatus: Operator heads type "TCe"
Optional accessory:

Type of Protection: e, tD

Marking: **A.T.X. - APPLETON**
Address : ...
Type : TCe
Serial number : ...
Manufacturing year : ...
For gas: Ex e II
For dust: Ex tD A21 IP66
IECEx LCI 09.0011 U

Approved for issue on behalf of the IECEx
Certification Body:

Marc GILLAUD

Position:

Certification Manager

Signature:
(for printed version)

Date:

11 FEB. 2010

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.

Certificate issued by:

Laboratoire Central des Industries Electriques (LCIE)
33 Avenue du General Leclerc
FR-92260 Fontenay-aux-Roses
France





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Manufacturer: **ATX**
E.I.N.
35 Rue André Durouchez
80084 Amiens Cedex 2
France

Manufacturing location(s):

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 : 2004 Edition: 4.0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
IEC 60079-7 : 2006-07 Edition: 4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
IEC 61241-0 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
IEC 61241-1 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 1: Protection by enclosures "tD"

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/LCI/ExTR09.0010/00
FR/LCI/ExTR09.0010/01

Quality Assessment Report:

FR/LCI/QAR07.0008/00
FR/LCI/QAR07.0008/01
FR/LCI/QAR07.0008/02



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The operator heads are intended to be assembled on Ex enclosure certified for the use.

TCe "Operator heads" range:

- Indicator light,
- Plug head (blanking head),
- Push button,
- Push button (illuminated),
- Mushroom head emergency stop (push / pull),
- Mushroom head Ø 40mm push button,
- Rotary actuator.

Rail mounting or panel mounting (with adaptor).

Schedule of limitations:

The operating temperature limits are -40°C to +60°C.

Specific parameters of the mode(s) of protection concerned:

The operator heads protection against dust is based on the IP6X when they are assembled on a compatible box with similar or above IP level.

CONDITIONS OF CERTIFICATION: NO



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Issue 01 :

Adding of a padlock device



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Certificate No.:

IECEx LCI 09.0002U

Issue No.: 0

Certificate history:

Status:

Current

Date of Issue:

2009-02-13

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Applicant:

A.T.X.
E.I.N. rue André DUROUCHEZ
80084 AMIENS Cedex 2
France

Electrical Apparatus:
Optional accessory:

Contact and Pilot light type CVe

Type of Protection:

de

Marking:

A.T.X.-APPLETON
Address:
Type CVe
Ex de IIC
IECEx LCI 09.0002 U

Approved for issue on behalf of the IECEx
Certification Body:

Marc GILLAUX

Position:

Certification Manager

Signature:
(for printed version)


13 FEB. 2009

Date:

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Date of Issue: 2009-02-13

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Manufacturer: **A.T.X.**
E.I.N. rue ANdré DUROUCHEZ
80084 AMIENS Cedex 2
France

Manufacturing location(s):

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 : 2004 Edition: 4.0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
IEC 60079-1 : 2003 Edition: 5	Electrical apparatus for explosive gas atmospheres - Part 1: Flameproof enclosure 'd'
IEC 60079-7 : 2006-07 Edition: 4	Explosive atmospheres - Part 7: Equipment protection by Increased safety "e"

*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/LCI/ExTR09.0002/00

Quality Assessment Report:

FR/LCI/QAR07.0008/00



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

These contacts and pilot lights will be incorporated inside increase safety enclosures.

Contacts and pilot lights are designed to be mounted on back plate, "omega" rail, or on cover of Ex e enclosure.

When fitted on cover they are locked with a ¼ rotating ring on the actuator head.

Electrical parameters:

Contact :

Category	Voltage (V)	Current (A)	Frequency (Hz)
AC12	400	16	50/60
AC14	400	10	50/60
AC15	500	6	50/60
DC13	24	2	/
DC13	110	1	/

Ith = 16A

Light :

Un = 12 to 264 V (AC) and 12 to 60 V (DC)

Frequency = 50/60Hz

CONDITIONS OF CERTIFICATION: NO



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EQUIPMENT(continued):

Schedule of limitations:

- Maxi cables section (flexible or rigid) = 2,5mm²
- These components have been submitted with success to non-transmission tests, hydraulic overpressure tests (at 10 bars), and pulling tests. These tests were carried out after thermal endurance tests.
- Operating temperature: -40°C to +75°C

Routine verifications and tests:

Each apparatus shall be submitted to a dielectric strength test at 1000V during 1 minute.