



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 LCI 04.0016X** Page 1 of 5 [Certificate history:](#)
Status: **Current** Issue No: 3 [Issue 2 \(2012-06-26\)](#)
[Issue 1 \(2004-12-14\)](#)
Date of Issue: 2024-05-31
Applicant: **APPLETON Group - ATX**
ZAC des Bornes du Temps 2
190 Rue des Catelets
80470 Saint-Sauveur
France
Equipment: **Increased safety boxes - CAe**
Optional accessory:
Type of Protection: **Increased safety 'e', Flameproof 'd' and Intrinsic safety 'i'**
Marking: APPLETON-ATX
Address: ...
Serial number: ...
Year of construction: ...
Type : CAe (1)
Ex e IIC T6 to T3 Gb (depending of the contents)
Or Ex d e IIC T6 to T3 Gb (depending of the contents)
Or Ex ia or ib IIC T6 or T5 Gb (depending of the contents)
IP66
IECEX LCI 04.0016 X
-40°C≤Ta≤+55°C
Maximal dissipated power : ...W
WARNING – DO NOT OPEN WHEN ENERGIZED
(1):completed by the model

Approved for issue on behalf of the IECEx
Certification Body:

Julien GAUTHIER

Position:

Ex Certification Officer

Signature:
(for printed version)

Date:
(for printed version)

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.
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Certificate issued by:

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





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Manufacturer: **APPLETON Group - ATX**
ZAC des Bornes du Temps 2
190 Rue des Catelets
80470 Saint-Sauveur
France

Manufacturing locations: **APPLETON Group - ATX**
ZAC des Bornes du Temps 2
190 Rue des Catelets
80470 Saint-Sauveur
France

Emerson ATX
Balastierei, Nr. 1S (Urbano Industrial Park)
Gilau 407310
Romania

IECus Solutions
6526 Petropark Drive
Houston TX 77041
United States of America

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 60079-0:2007](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:5

[IEC 60079-1:2007](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:6

[IEC 60079-11:2006](#) Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:5

[IEC 60079-7:2006](#) Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:4

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/LCIE/ExTR12.0001/00](#)

[FR/LCIE/ExTR24.0011/00](#)

Quality Assessment Report:

[FR/LCI/QAR07.0008/22](#)

IECEX ATR:
IECEX Test Report
FR/LCIE/ExTR12.0001/00

File reference:
LCIE 60022699-516394 - issue 0



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Increased safety boxes CAe

DESCRIPTION

Increased safety enclosures declined in 12 models (CAe1 to CAe12), and which are intended to receive the following equipments:

- increased safety terminals,
- intrinsic safety terminals,
- circuit breaker and switch IT40U (IECEX certified LCI 04.0033U)

Components for external connection of electrical circuits (cable glands, adaptators, enlargers, reducers) shall be Ex certified, and shall maintain IP66 degree of protection or at least IP54.

The openings not fitted with cable glands shall be fitted with Ex e certified blanking elements, which maintain IP66 degree of protection, or at least IP54.

These enclosures can be joined together, or to other flameproof enclosures or increased safety enclosures, by guarantying at least to the assemblies an IP54 degree of protection.

Ratings:

Maximal operating voltage: 1000 VAC and 1500 VDC

Maximal current: 1600 A

SPECIFIC CONDITIONS OF USE: YES as shown below:

- 1- According to the different contents (nature of equipments, dissipated power, etc.) and operating ambient temperature (up to +55°C), the marking conditions can change.
Temperature class relative to each chosen configuration shall be determined by following the indications in the manufacturer's descriptive documents.
- 2- The number and characteristics of equipments shall be adapted so as not to exceed permitted maximal dissipated power of the enclosures.
The conditions for assembling the enclosures are indicated in the manufacturer's descriptive documents.
- 3- Creepage distances and clearances of electrical connections shall be respected according to the different voltages.
- 4- The adjunction of intrinsic safety terminals shall comply with the manufacturer's conditions described in his descriptive documents.
- 5- The drilling and mounting of accessories carried out by the distributor, or the end user on site, shall be achieved by complying with the rules of increased safety type of protection, and especially:
 - respect of creepage distances and clearances according to Table 1 of IEC 60079-7,
 - individual examination and test carried out after these operations.All these operations, as well as individual examinations, are under the responsibility of the manufacturer.



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Equipment (continued):

OTHER INFORMATION

Enclosure's model	Maximal permitted dissipated power	Old certified dimensions	New certified dimensions
CAe1	17 W	211x200x150	215x200x150
CAe2	22 W	320x200x150	320x200x150
CAe3	29 W	422x200x150	425x200x150
CAe4	36 W	575x200x150	575x200x150
CAe5	50 W	380x480x190	380x480x190
CAe6	55 W	400x300x200	400x300x206
CAe7	85 W	500x400x200	500x400x206
CAe8	125 W	600x400x250	610x400x257
CAe9	125 W	700x500x250	700x500x250
CAe10	125 W	800x600x300	820x610x300
CAe11	125 W	1000x800x300	1020x810x300
CAe12	22 W	330x250x160	330x250x160

ROUTINE TESTS

Each single apparatus above defined must be submitted a dielectric strength test according to paragraph 7.2 of IEC 60079-7 standard.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 3:

Change of the Applicant / Manufacturer address and name.

Update of manufacturing locations.