



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

Ex COMPONENT CERTIFICATE

Certificate No.: IECEx LCIE 15.0007U

Issue No: 1

Certificate history:

Status: **Current**

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Issue No. 1 (2019-06-27)

Issue No. 0 (2015-06-03)

Date of Issue: **2019-06-27**

Applicant: **Appleton Group - ATX**
EIN, 35 rue André Durouchez,
CS 98017
80084 Amiens cedex 2
France

Ex Component: **Fuse Holder, Type : FU 40**

This component is NOT intended to be used alone and requires additional consideration when incorporated into other equipment or systems for use in explosive atmospheres (refer to IEC 60079-0).

Type of Protection: **"Ex db eb"**

Marking:

APPLETON - ATX

Type: FU 40

Serial number: ... / Year of construction: ...

Ex db eb IIC Gb / IECEx LCIE 15.0007 U

In : 40A / Un : 690V

Approved for issue on behalf of the IECEx
Certification Body:

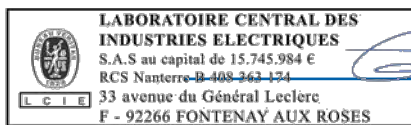
Julien GAUTHIER

Position:

Certification Officer

Signature:
(for printed version)

Date:



2019-06-27

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: **Appleton Group - ATX**
EIN, 35 rue André Durouchez,
CS 98017
80084 Amiens cedex 2
France

Additional 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 Component 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 Ex Component 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 : 2017 Edition:7.0	Explosive atmospheres - Part 0: Equipment - General requirements
IEC 60079-1 : 2014-06 Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-7 : 2017 Edition:5.1	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 Ex Component listed has successfully met the examination and test requirements as recorded in

Test Report:

[FR/LCIE/ExTR15.0007/00](#)

[FR/LCIE/ExTR19.0045/00](#)

Quality Assessment Report:

[FR/LCI/QAR07.0008/12](#)



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Schedule

Ex Component(s) covered by this certificate is described below:

FU 40 is composed with a body and threaded plug which form internal flameproof volume $\leq 10\text{cm}^3$.

FU 40 is intended to receive aM fuses (motor support) and gI fuses (general use).

It can be fitted on a back plate with two screws or be clipped on a rail.

FU 40 design is with mold in contact for increased safety connections.

Electrical contacts of cartridge 14x51 (phase protection or neutral tube) are made with a sliding sleeve in the plug and a fixed contact in the back of the body with springs pressure.

Range details:

Only one type.

Ratings:

In : 40A / Un : 690V

Routine tests:

According to clause 7.1 of IEC 60079-7, each above apparatus shall be submitted to dielectric strength test when integrated inside the final equipment.

SCHEDULE OF LIMITATIONS:

- Service temperatures: -40°C up to $+80^{\circ}\text{C}$
- The fuse shall be used in an increased safety or in a flameproof enclosure complying with the conditions provided by the manufacturer in his descriptive documents.
- In case of use of fuse cartridge for motor support, a magnetic protection must be incorporated in the connecting circuit.
- The rated connection capacities are from $2,5\text{ mm}^2$ to 16 mm^2 for rigid or flexible cables.
- The flamepath is specified in the manufacturer drawing.



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

Issue 00:

Initial issue according to IEC 60079-0 Ed.6.0, IEC 60079-1 Ed.6 and IEC 60079-7 Ed.4 standards.

Issue 01:

Nomative update according to IEC 60079-0 Ed.7.0, IEC 60079-1 Ed.7.0 and IEC 60079-7 Ed.5.1 standards.