



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 16.0033U	Issue No: 0	Certificate history: Issue No. 0 (2016-08-22)
Status:	Current	Page 1 of 4	
Date of Issue:	2016-08-22		
Applicant:	APPLETON Group - ATX E.I.N. 35 rue André Durouchez 80084 Amiens cedex 2 France		
Equipment: <i>Optional accessory:</i>	Enclosures type TUBED		
Type of Protection:	d		
Marking:	Ex db IIC Gb		
Approved for issue on behalf of the IECEX Certification Body:		Thierry HOUEIX	
Position:		Ex Certification Officer	
Signature: (for printed version)			
Date:		2016-08-22	

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:

INERIS
Institut National de l'Environnement Industriel
et des Risques
BP n2
Parc Technologique ALATA
F-60550 Verneuil-En-Halatte
France

INERIS is accredited by COFRAC under number 5-0045 for certification of products and services (scope of accreditation is available on COFRAC website www.cofrac.fr)

The certification rules are available on the INERIS website www.ineris.fr.



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Manufacturer: APPLETON Group - ATX
E.I.N.
35 rue André Durouchez
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 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 Explosive atmospheres - Part 0: General requirements
Edition:6.0
- IEC 60079-1 : 2014-06 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

*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/ExTR16.0038/00](#)

Quality Assessment Report:

[FR/LCI/QAR07.0008/09](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The enclosure type TUBED is made in aluminium. The enclosure is composed of a tube (diameter 40mm or 55mm) closed by two threaded caps that could be fixed by a screw or with sealing. The enclosure is protected by "Ex d" type of protection. The enclosure type TUBED could be equipped with one or two cable entries (M20x1.5 or M25x1.5) for suitable Ex db cable gland not included in this certificate. Certified as "Ex component", this device must be installed inside suitable Ex enclosures.

SCHEDULE OF LIMITATIONS:

- The lengths of the flameproof joints are greater than the values stated in the tables of the standard IEC 60079-1.
 - The enclosures have undergone the impact tests at 7 J before the overpressure tests.
 - The enclosures have undergone overpressure tests at 52.1 bar on the size 55 mm and 44.1 bar on size 40 mm corresponding to 4 times the reference pressure for -50°C.
 - The enclosures have been tested and assessed for a minimum ambient temperature of -50°C. When the closing caps are fixed with sealing, the range of the operation temperature is from -50°C up to +90°C
 - In accordance with the clause D.3.8 of the IEC 60079-1 standard, the marking may be omitted by the manufacturer when the Ex component manufacturer is also intended to be the holder of the equipment certificate
- The other conditions of use are stipulated in the instructions.

CONDITIONS OF CERTIFICATION: NO



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Additional information:

PARAMETERS RELATING TO THE SAFETY

None

MARKING

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

- APPLETON-ATX and/or EMERSON
- 80084 AMIENS - FRANCE
- TUBED
- (Serial Number)
- IECEx INE 16.0033U
- Ex db IIC Gb

ROUTINE EXAMINATIONS AND TESTS

In accordance with clause 16.2 of the IEC 60079-1 standard, the enclosure is exempted of routine test due to the fact that it has undergone a static type test at 4 times the reference pressure under:

- 52,1 bar on the size 55 mm
- 44,1 bar on the size 40 mm