



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 15.0053X
Status: **Current**
Date of Issue: **2016-03-14**
Applicant: **ATAM S.p.A**
Via Archimede, 7
20864 Agrate Brianza (MB)
Italy
Electrical Apparatus: **Electromagnets 257GD....**
Optional accessory:
Type of Protection: **mb**
Marking:
Ex mb IIC T4...T6 Gb
Ex mb IIIC T135°C...T85°C Db
Ex mb I Mb

Issue No: 0
Certificate history:
Issue No. 0 (2016-03-14)
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Approved for issue on behalf of the IECEx
Certification Body:

Thierry HOUEIX

Position:

Ex Certification Officer

Signature:
(for printed version)

Date:

2016-03-14



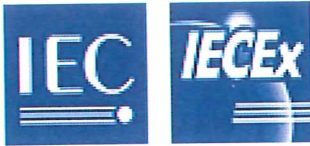
1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

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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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 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-18 : 2009 Edition:3	Explosive atmospheres Part 18: Equipment protection by encapsulation "m"

*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/ExTR15.0058/00](#)

Quality Assessment Report:

[IT/CES/QAR15.0002/00](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Electromagnets series 257GD... are compounded electrical solenoids, intended to be located on mechanical valves used to command and adjust some fluids and gas.

Windings possess an internal thermofuse, not resettable, complying to EN 60691 standard and this one is completely compounded.

CONDITIONS OF CERTIFICATION: YES as shown below:

For the equipment with a permanently connected cable, the user will have to connect the free extremity of cable either in a non-explosive atmosphere, or in an enclosure protected by a recognised type of protection adapted to the area.

For gassy mines using, the equipment shall be installed in location with low risk of mechanical danger or protected by guards or protective covers suitable to withstand an impact of 20 J.

For the risk from electrostatic discharge, the user will have to read the instructions.

Annex:

[IECEx INE 15.0053X-00_Annex.pdf](#)



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Annexe: IECEx INE 15.0053X_Annex.pdf

PARAMETERS RELATING TO THE SAFETY

Rated voltage	:	24, 48, 110, 220, 230 V _{a.c.} 24 V _{d.c.}
Frequency	:	50 Hz or 60 Hz,
Duty cycle	:	continuous
Maximum dissipated power	:	T4 (5.3 W) ; T5 (4.8 W) T6 (3.2 W)

MARKING

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

- ATAM
- 257GD....
- IECEx INE 15.0053X
- Ex mb IIC T6...T4 Gb
- Ex mb IIIC T85°C....T135°C Db
- Ex mb I Mb
- WARNING: ELECTROSTATIC DISCHARGES, DO NOT RUB, CLEAN ONLY WITH A DAMP CLOTH

The protective system or equipment has also to carry the marking normally stipulated by its construction standards.

ROUTINE EXAMINATIONS AND TESTS

Each apparatus defined above has to have successfully passed; before delivery:

- In accordance with clause 9.1 from the IEC 60079-18 standard, a visual examination of encapsulation.
- In accordance with clause 9.2 from the IEC 60079-18 standard, a dielectric strength test of 1500 V while 1 second.