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 15.0054X	Issue No: 0	Certificate history: Issue No. 0 (2016-02-10)
Status:	**Current**	Page 1 of 3	
Date of Issue:	**2016-02-10**		
Applicant:	**ATAM S.p.A** Via Archimede, 7 20864 Agrate Brianza (MB) **Italy**		
Electrical Apparatus:	**Solenoid type 271GD....**		
Optional accessory:			
Type of Protection:	**db, tb**		
Marking:	Ex db I Mb Ex db IIC T6 or T5 Gb Ex tb IIIC T85°C or T100°C Db IP66/67		

Approved for issue on behalf of the IECEx Certification Body: Thierry HOUEIX

Position: Ex Certification Officer

Signature: (for printed version)

Date: 2016-02-10

ATMOSPHERES EXPLOSIVES Certifié IECEx INERIS IECEx Certified EXPLOSIVE ATMOSPHERES

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

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:	**ATAM S.p.A** Via Archimede, 7 20864 Agrate Brianza (MB) **Italy**	
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 60079-1 : 2014-06 Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-31 : 2013 Edition:2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"

*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/ExTR15.0061/00

Quality Assessment Report:

IT/CES/QAR15.0002/00

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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Coils are designed to operate from either AC (24÷230V) or DC (12÷125V) power. Variations in rated voltage greatly affect coil force characteristics, instead the current and the number of wire turns determine the coil's magnetic flux.
The number of wire turns are limited by the physical constraints of the mechanical package and by coil temperature.
The enclosure get the degrees of protection IP66/67 in accordance with IEC 60529.

CONDITIONS OF CERTIFICATION: YES as shown below:

- The values used for the maximum gap of construction of flameproof joints are less than the values specified in the tables of the IEC 60079-1 standard.
- The width of the different flameproof joints is superior to the values specified in tables of the IEC 60079-1 standard.

Annex:

IECEx INE 15.0054X-00_Annex.pdf