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 15.0016X

Issue No: 0

Certificate history:
Issue No. 0 (2017-06-07)

Status: **Current**

Date of Issue: **2017-06-07**

Applicant: **OFFICINE MECCANICHE MAM**
Via Vico Veneto, 32
I - 20090 Fizzonasco di Pieve Emanuele
Italy

Equipment: **Blanking Elements, Adapters, Reducers and Niple type T..., R..., M..., and N...**

Optional accessory:

Type of Protection: **db, eb, tb**

Marking:

Ex db IIC Gb, Ex db I Mb
Ex eb IIC Gb, Ex eb I Mb
Ex tb IIIC Db
IP66

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

Position: Ex Certification Officer

Signature:
(for printed version)

Date:

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
France

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Manufacturer: **OFFICINE MECCANICHE MAM**
Via Vico Veneto, 32
I - 20090 Fizzonasco di Pieve Emanuele
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"
IEC 60079-7 : 2015 Edition:5.0	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 equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

FR/INE/ExTR17.0014/00

Quality Assessment Report:

FR/INE/QAR11.0004/05

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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Metallic devices intended to be fitted on flameproof enclosures, increased safety enclosures and on enclosures for dust explosive atmospheres with type of protection "tb".
These devices get the degrees of protection IP66 in accordance with IEC 60529 standard.

SPECIFIC CONDITIONS OF USE: YES as shown below:

These metallic devices are intended to be used in the following operating temperature:

- -30°C to +130°C with NBR gasket.
- -60°C to +210°C with SILICON gasket.
- -60°C to +300°C without gasket

Annex:

IECEx INE 15.0016X-00_Annex.pdf

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PARAMETERS RELATING TO THE SAFETY

Size of threaded joints:

Conical threads:

- ANSI/ASME B1.20.1: 1/4" NPT up to 4" NPT.

Cylindrical threads:

- ISO-262: M16 x 1 mm or 1.5 mm up to M63 x 1 mm or 1.5 mm.
- UNI 228: 1/4" up to 4".
- ASME B1.1: 1/4" UNF up to 4" UNF.

Operating temperature:

- -30°C to +130°C with NBR gasket.
- -60°C to +210°C with SILICON gasket.
- -60°C to +300°C without gasket

MARKING

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

- OFFICINE MECCANICHE MAM
- I-20090 Fizzonasco di Peve Emanuele (MI)
- T… or R…, or N… or M…(*)
- IECEx INE 15.0016X
- Ex db IIC Gb
- Ex eb IIC Gb
- Ex db I Mb
- Ex eb I Mb
- Ex tb IIIC Db IP66

(*) Type is completed by numbers and/or letters corresponding to manufacturer variations.

On the small devices the marking can be reduced at:

- M.A.M or 
- I-20090
- T… or R…, or N… or M…(*)
- IECEx INE 15.0016X
- Ex db/eb/tb
- IP66

ROUTINE EXAMINATIONS AND TESTS

None.