



IECEx certificate:



EN

LCIE 14.0056X

**for VSI010, VSB010
and VSF00x**



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IECEx Certificate of Conformity

IECEx LCIE 14.0056X
 2015-06-02

Issue No.: 1
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Certificate No.: IECEx LCIE 14.0056X
 Date of issue: 2015-06-02

Manufacturer:
Meggitt SA
 Route de Moncor 4
 CH - 1752 Villars-sur-Glâne
 Switzerland

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 60079-15 : 2010 Explosive atmospheres - Part 15: Equipment protection by type of protection "n"
 Edition: 4

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/LCIE/EXTR14.0061/00 FR/LCIE/EXTR15.0032/00

Quality Assessment Report:
 FR/LCIE/AR06.0006/07 FR/LCIE/AR06.0006/08

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INTERNATIONAL ELECTROTECHNICAL COMMISSION
 IEC Certification Scheme for Explosive Atmospheres
for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx LCIE 14.0056X Issue No.: 1
 Status: Current Page 1 of 4
 Date of issue: 2015-06-02

Applicant:
Meggitt SA
 Route de Moncor 4
 CH - 1752 Villars-sur-Glâne
 Switzerland


Certificate history:
 Issue No. 1 (2015-6-2)
 Issue No. 0 (2014-1-19)

Electrical Apparatus: **VibroSmart @ Distributed Monitoring System - Type VSI010, VSB010, VSF001, VSF002, VSF003**
 Optional accessory:

Type of Protection: **Ex nA**

Marking:
 MEGGITT SA or MFR S3960 Address: ...
 Type: VSI010 or VSB010 or VSF001 or VSF002 or VSF003
 Serial number: ... Year of construction: ...
 Ex nA IIC T6 ... T4 Gc (see special conditions)
 IECEx LCIE 14.0056X

Approved for issue on behalf of the IECEx
 Certification Body: Julien Gauthier
 Position: Certification Officer


Signature: 
 (for printed version) 2015-06-02



Date: 2015-06-02

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

Documents relative to LCIE certification activities (Certificates, OARS, EXTRs) can be registered under the references "LCI" or "LCIE".





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

Issue 00(2014/11/19) :
 Initial assessment according to IEC 60079-0:2011 and IEC 60079-15:2010 standards.
 Type designation:
 Electrical module: VS1010
 Base: VSB010

Issue 01 :
 Addition of three Adaptors VSF001, VSF002 and VSF003.
 Type designation:
 Electrical module: VS1010
 Base: VSB010
 Serial Fieldbus Adaptor: VSF001
 Ethernet Fieldbus Adaptor: VSF002
 CAN Fieldbus Adaptor: VSF003

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Schedule

EQUIPMENT:
Equipment and systems covered by this certificate are as follows:

VibroSmart @ consists of modules for measuring vibration on rotating machinery and interfacing with a control system over specific field busses. The VS1010 is supported by a dedicated base, VSB010. Three external adaptors (VSF001, VSF002, and VSF003) mounted on the base module VSB010.

Ratings: 32 VDC, 8 W maximum.

Product types are:
 Electrical module: VS1010
 Base: VSB010
 Serial Fieldbus Adaptor: VSF001
 Ethernet Fieldbus Adaptor: VSF002
 CAN Fieldbus Adaptor: VSF003.

Routine Test: each product shall be submitted to the dielectric test at 500VAC or 600VAC as defined in the clause §6.5 of the standard IEC 60079-15:2010 Ed.4.0 between isolated accesses and earth connection.

CONDITIONS OF CERTIFICATION: YES as shown below:

$-25^{\circ}\text{C} \leq T_{\text{amb}} \leq +70^{\circ}\text{C}$
 Temperature class depending on T_{amb} :
 T6 for $-25^{\circ}\text{C} \leq T_{\text{amb}} \leq +35^{\circ}\text{C}$
 T5 for $+35^{\circ}\text{C} \leq T_{\text{amb}} \leq +50^{\circ}\text{C}$
 T4 for $+50^{\circ}\text{C} \leq T_{\text{amb}} \leq +70^{\circ}\text{C}$

Equipment must be installed inside a certified enclosure in accordance with mechanical requirements of IEC 60079-0 standard and providing at least IP-54 ingress protection level.
 The final electrical installation must provide a protection against transients > 119V.