



**IECEX certificate:**

EN

**IECEX LCI 11.0063X**

**for EA 4xx, IQS 4xx  
and TQ 4xx**



**Meggitt SA**  
Route de Moncor 4  
PO Box 1616  
CH - 1701 Fribourg  
Switzerland

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**IECEx Certificate of Conformity**



Certificate No.: IECEx LCI 11.0063X  
 Date of Issue: 2014-07-29  
 Issue No.: 1  
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Manufacturer: **MEGGITT SA**  
 Route de Moncor 4  
 1752 VILLARDS SUR GLANE  
 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  
**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/CI/EXTR11.0071/00  
 FR/CI/EXTR11.0071/01

**Quality Assessment Report:** FR/CI/OAR06.0006/07

**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](http://www.iecex.com)

Certificate history:  
 Issue No. 1 (2014-7-29)  
 Issue No. 0 (2011-10-24)

Certificate No.: IECEx LCI 11.0063X  
 Status: Current  
 Date of Issue: 2014-07-29  
 Issue No.: 1  
 Page 1 of 4

Applicant: **MEGGITT SA**  
 Route de Moncor 4  
 1752 VILLARDS SUR GLANE  
 Switzerland

Electrical Apparatus: Proximity system Type : TQ 4xx / EA 4xx / IQS 4xx  
 Optional accessory: PNR 111-4xx-000-yyy, PNR 204-4xx-000-yyy, PNR 913-4xx-000-yyy

Type of Protection: nA

Marking: MEGGITT SA or VIBRO-METER or MFR S3960  
 Address : ...  
 Type : TQ 4xx / EA 4xx / IQS 4xx  
 PNR 111-4xx-000-yyy  
 PNR 204-4xx-000-yyy  
 PNR 913-4xx-000-yyy  
 Serial number : ...  
 Year of construction : ...  
 Ex nA II T6 to T3 Gc  
 IECEx LCI 11.0063 X

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


Signature: *Julien Gauthier*  
 Date: 2014-07-29


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".

	<h2>IECEX Certificate of Conformity</h2>	Certificate No.: IECEx LCI 11.0063X Date of Issue: 2014-07-29 Issue No.: 1 Page 4 of 4
<p><b>DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):</b></p> <p>Issue 1 :          Normative update according to IEC 60079-0:2011 Ed 6.0          Modification of the operating ambient temperature for the conditioner : -35°C to +85°C          Modification of the classification temperature for the conditioner: T6 or T5          Update of the technical file</p>		

	<h2>IECEX Certificate of Conformity</h2>	Certificate No.: IECEx LCI 11.0063X Date of Issue: 2014-07-29 Issue No.: 1 Page 3 of 4
<p><b>Schedule</b></p>		
<p><b>EQUIPMENT:</b>  <i>Equipment and systems covered by this certificate are as follows:</i></p> <p>The system is based around a TQ 4xx non-contacting transducer, a cable EA 4xx and an IQS 4xx signal conditioner.          Together, these form a calibrated proximity system in which each component is interchangeable.          The TQ 4xx transducer has an integral coaxial cable, with various lengths, terminated with a connector.          The EA 4xx cable is an extension cable with various lengths.          The IQS 4xx conditioner is the signal conditioner.  <u>Type designation:</u>          Type : TQ 4xx / EA 4xx / IQS 4xx          TQS 4xx : PNR 111-4xx-000-yyy, IQS 4xx : PNR 204-4xxX-000-yyy, EA 4XXX : PNR 913-4xx-000-yyy ;          x : defines the design of the product (x = 0 to 9)          yyy : product versions (y = 0 to 9)</p>		
<p><b>CONDITIONS OF CERTIFICATION: YES as shown below:</b></p> <p>The user shall make sure that the place of conditioner ensures an IP54 or an equivalent degree.          Power supply system shall respect following electrical parameters : IQS 4xx : U ≤ 28V, I ≤ 100mA, Ps 0,7W          Ambient temperature of use:          Transducer (TQ 4xx) : -100°C to +195°C          Cable (EA 4xx) : -100°C to +195°C          Conditioner (IQS 4xx) : -65°C to +85°C          Temperature classification:          Transducer (TQ 4xx) : T6 at +80°C, T5 at +95°C, T4 at +130°C, T3 at +195°C          Cable (EA 4xx) : T6 at +80°C, T5 at +95°C, T4 at +130 °C, T3 at +195°C          Conditioner (IQS 4xx) : T6 at +70°C, T5 at +85°C          Routine verifications and tests:          Dielectric strength test according to the standard IEC 60079-15 clause 23.2.1.</p>		