MEGGITT

EN

IECEx certificate:

IECEx LCI 06.0007X

for CP 23x

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

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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 LCI 06.0007X issue No.:3	Certificate history: Issue No. 3 (2011-12-23) Issue No. 2 (2010-10-25) Issue No. 1 (2008-10-1) Issue No. 0 (2006-7-3)
Status:	**Current**	
Date of Issue:	**2011-12-23** Page 1 of 4	
Applicant:	**Meggitt SA** Route de Moncor 4 1752 Villars-sur-Glâne **Switzerland**	
Electrical Apparatus: *Optional accessory:*	**Dynamic pressure sensor type PNR 143-23X-000-YYY**	
Type of Protection:	**ib**	
Marking:	**Vibro-meter or MEGGITT or MFR S3960** **Address : ...** **Type : PNR 143-23X-000-YYY** **DMF mmyyyy** **Serial number : ...** **Year of construction : ...** **Ex ib IIC T6 to T560°C Gb** **IECEx LCI 06.0007X** **Ui = ..., Pi = ..., Ii = ..., Ci = ..., Li= ... (1)** **(1) completed with the electrical parameters**	
Approved for issue on behalf of the IECEx Certification Body:	Julien GAUTHIER	
Position:	Certification Officer	
Signature: (for printed version)	Michel BRÉNON	
Date:	December 28, 2011	

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

LCIE

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

Manufacturing location(s):
Meggitt SA
Route de Moncor 4
1752 Villars-sur-Glâne
Switzerland

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 : 2007-10 Edition: 5	Explosive atmospheres - Part 0:Equipment - General requirements
IEC 60079-11 : 2006 Edition: 5	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"

*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/LCI/ExTR06.0011/00	FR/LCI/ExTR06.0011/01	FR/LCI/ExTR06.0011/02
FR/LCI/ExTR06.0011/03		

Quality Assessment Report:

FR/LCI/QAR06.0006/00	FR/LCI/QAR06.0006/01	FR/LCI/QAR06.0006/02
FR/LCI/QAR06.0006/03	FR/LCI/QAR06.0006/04	

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Schedule

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

DESCRIPTION
Dynamic pressure sensor
The sensor is an electro mechanic transducer delivering at its terminal blocks an electrical load proportional to the measured pressure.It works with a piezoelectric equipment mounted in compression.The mineral insulating cable and the connector are fully in apart of the sensor.

SPECIFIC PARAMETERS OF THE MODE OF PROTECTION "ib"
$U_i \leq 30$ Vdc ; $I_i \leq 130$ mA ; Pi $\leq 0,8$ W
$C_i \leq 1,6$ nF (with 5 m of cable)
Ri = 0
$L_i = 0$

CONDITIONS OF CERTIFICATION: YES as shown below:

Special conditions for safe use
Electrical parameters of any IS certified equipment connected to the sensor shall not exceed the following values:
$U_o \leq 30$ Vdc ; $I_o \leq 130$ mA ; $P_o \leq 0,8$ W
Operating ambient temperature : -200°C to +550°C. Temperature classification in function of the operating temperature :
T6 at Tamb. + 80°C; T5 at Tamb. + 95°C
T4 at Tamb. + 130°C; T3 at Tamb. + 195°C
T2 at Tamb. + 290°C; T1 at Tamb. + 440°C
T560°C at Tamb. + 550°C
The equipment shall only be connected to a certified IS apparatus and this combination shall be compatible as regards intrinsic safety.
During installation, the fixation of the housing shall be bounded.

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

Normative update according to standard IEC 60079-0, Ed 5
Update type