



(1) **EC TYPE EXAMINATION CERTIFICATE**

(2) **Equipment or protective system intended for use
in potentially explosive atmospheres
Directive 94/9/EC**

(3) EC type examination certificate number: **ISSeP08ATEX033X**

(4) Equipment or protective system:
Housing for temperature probe or electronic equipment
Types LH2 & BH . . . E & SB . . . E

(5) Applicant – Manufacturer :
Moore Industries International, Inc.
(6) Address: 16650 Schoenborn street
Sepulveda, California 91343-6196
USA

(7) This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) ISSeP, notified body n° 492 in accordance with article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in annex II to the Directive.


The examination and test results are recorded in confidential report no 07071

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 60079-0 : 2006 (IEC 60079-0 : 2004) EN 60079-1 : 2007 (IEC 60079-1 : 2007)
EN 61241-0 : 2006 (IEC 61241-0 : 2004) EN 61241-1 : 2004 (IEC 61241-1 : 2004)

(10) If the symbol "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate

(11) This EC TYPE EXAMINATION CERTIFICATE relates only to the design, examination and tests of the specified equipment or protective system in accordance to the Directive 94/9/EC. Further requirements of this Directive may apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

(12) The marking of the equipment or protective system shall include the following indications:

 II 2 G Ex d IIC T6
II 2 D Ex tD A21 IP 66 T85°C

Colfontaine, the 03.07.2008

INSTITUT SCIENTIFIQUE DE SERVICE PUBLIC
Zoning A. Schweitzer - B7340 Colfontaine (Wasmes)
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Marcel Lambert
Director

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(13)

SCHEDULE

(14)

EC TYPE EXAMINATION CERTIFICATE No ISSeP08ATEX033X

(15)

Description of the equipment or protective system:

Types BH...E and LH2 aluminium alloy housings and type SB...E stainless steel housings containing the following electronic equipment (Hockey-Puck):

ACX & ALX & DSX & DVX & EPFDX & FDX & FDY & Flextop-2201 & Flextop-2211 & Flextop-2231 & FlexView & ITX & LRX & MVX & P2X & PSD & PTX & RBX & RIX & RIY & SCX & SDY & SIY & TDY & TDZ & TDZ² & TFZ & THZ & THZ² & TIY & T2X & TPZ & TRX & TRY & TRZ

These housings can also be equipped with fixed or springs fitting temperature probes

The complete designation of the apparatus is: Model / input / output / power / options / housing

Electrical parameters

Max.voltage: 42 VDC

Max. current: 110 mA

Max. power: 3W

Connection of the apparatus.

The connection of the apparatus shall be made by cable entries of a certified flameproof model or by threaded metal conduits; in this case a stopping box with compound filling of a certified flameproof model shall be placed at the entry of the apparatus. The unused threaded holes shall be shut by certified flameproof plugs.

Eventual prescriptions

Ambient temperature range: -20°C up to +60°C

Routine tests

The manufacturer shall make the routine verifications and tests to ensure that the electrical apparatus produced complies with the specification submitted to the testing station together with the prototype.

(16)

Report n° 07071 of 2.07.2008 composed in total of 20 pages

The technical note ref. 700-765-00A Rev.3 of 25.06.2008 (9 pages)

The descriptive notes of the apparatus LH (2 pages) & BH (2 pages) and SB (2 pages)

An instruction's manual reference 235-797-00D (38 pages) and supplement reference 700-764-00A (2 pages)

The drawings

100-100-61 of 06/2008 Rev.B (2 sheets)

100-100-63 of 06/2008 Rev.B (2 sheets)

200-251-1918 of 07/2008 Rev.C

200-251-1959 of 07/2008 Rev.B

200-251-2206 of 07/2008 Rev.B

205-251/262-00 of 10/01 Rev.E

207-249-00 of 04/2003 Rev.A

234-205-00 of 11/2003 Rev.C

(17)

Special conditions for safe use: Symbol X

- When then housing is provided with springs fitting probe, these one shall be placed inside a thermowell in order to ensure the degree of protection IP66
- Any accumulation of dust shall be avoided on the housing

(18)

Essential Health and Safety Requirements: covered by the standards listed at point 9 and by the descriptive documents from the manufacturer.

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VARIATION

EC TYPE EXAMINATION CERTIFICATE N° ISSeP08ATEX033X/1

(14) Apparatus

- Housing for temperature probe or electronic equipment
Types LH2 & BH . . . E & SB . . . E (15)

(15) Description of the variation

This variation includes the using of

- new standards version:
 - EN 60079-0:2012
 - EN 60079-1:2007
 - EN 60079-31:2010
- new references of electronic equipment Hockey puck : STZ, TDZ3, THZ3 and DFO

Marking:

 II 2 G D
Ex d IIC T6 Gb
Ex tb IIIC Db T85°C IP66

Eventual prescriptions: Unchanged.

(16) Report N° 14121 completed by 3 documents.

(17) Special condition for safe use: Unchanged.

(18) Essential Health and Safety Requirements: Unchanged.

Colfontaine, the 10.12.2014.

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Marcel LAMBERT,
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This document may not be used without the original certificate