



LABORATORIO OFICIAL J. M. MADARIAGA



(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 nr. **LOM 15ATEX2014 X**

(4) Equipment or protection system Control stations
Types LCS *****

(5) Manufacturer Dayheem Electric Industry Co.

(6) Address 402 Imam Khomeini st.
Ghassem Abad Rd., Khavaran Rd.
Tehran
IRAN

(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) Laboratorio Oficial J.M. Madariaga (LOM), notified body number 0163 in accordance with Article 9 of the Directive 94/9/EC of the European Parliament 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 nr. **LOM 12.173 FP**

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

Standards **EN 60079-0:2012** **EN 60079-1:2007**

(10) If the sign 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 and construction of this specified equipment or protective system in accordance with the Directive 94/9/EC. Further requirements of the Directive apply to the manufacture 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:



II 2G Ex d IIB+H₂ T6 Gb

Getafe, 2015-04-16

Carlos Fernández Ramón
Head of Certification Committee

This Certificate is a translation from the original in Spanish. The LOM liability applies only on the Spanish text

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RCPCEP 07.3/2
Rev. 0

UNIVERSIDAD POLITÉCNICA DE MADRID
ENSAYOS E INVESTIGACIONES DE MATERIALES Y EQUIPOS PARA ATMÓSFERAS EXPLOSIVAS Y MINERÍA
(Real Decreto 334/1992 de 3 de Abril - BOE 1992-04-29)



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LABORATORIO OFICIAL J. M. MADARIAGA

(A1) SCHEDULE

(A2) EC-Type Examination Certificate nr: **LOM 15ATEX2014 X**

(A3) Description of equipment or protective system

The equipment LCS * are flameproof control station made in aluminium alloy. The enclosures have two holes for cable glands as well two (LCS 2**) or three (LCS 3***) holes on the cover to mount accessories covered by component certificate LOM 15ATEX3011U.

Type codification LCS _ _

1

Number of accessories mounted in the cover 2 or 3

Two or three digits identifying accessory type

1 = Signal lamp type SGL 1

2 = Push button type PBT 1

3 = Selector switch type SLC 1

4 = Emergency push button type EMG 1

Internal electrical components

Type	Rating	Number of components	
		LCS 2	LCS 3
Contact blocks	6 A / 250 V	6	9
Selector switch	16 A / 250 V	2	3
Signal lamp	15 mA / 230 V	2	3

Ambient temperature: $-20^{\circ}\text{C} \leq T_a \leq +55^{\circ}\text{C}$

(A4) Test report nr.: LOM 12.173 FP

(A5) Special conditions for safe use

The dimensions of the flameproof joints are, in part, other than those specified as maximum or minimum in paragraph 5 of EN 60079-1: 2007. The manufacturer shall transfer to the user the appropriate information about the dimensions of these flameproof joints.

(A6) Individual tests

Each manufactured unit must be submitted to individual over-pressure tests according paragraph 15.1.3 of EN 60079-1:2007 at:

LCS 2: 835 kPa

LCS 3: 935 kPa

(A7) Essential Health and Safety Requirements

Explosion safe requirements are covered by application of the standards indicated in the first page of this certificate.

(A8) Descriptive documents

Drawings nr.: LCS 02-SCH-CRT-001 (9 sheets)

LCS 03-SCH-CRT-001 (9 sheets)

Rev.

Date

6 2015-03-24

6 2015-04-13