



LABORATORIO OFICIAL J. M. MADARIAGA



(1) EC-TYPE EXAMINATION CERTIFICATE

(2) Component intended for use on/in equipment or protective system intended for use in Potentially explosive atmospheres.
Directive 94/9/EC

(3) EC-Type Examination Certificate nr. **LOM 15ATEX3011U**

(4) Component Flameproof accessories
Types EMG 1, PBT 1, SLC 1, and SGL 1

(5) Manufacturer Dayheem Electric Industry Co.

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

(7) This component 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 component has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of components 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 12.194 AP**

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

- Standards **EN 60079-0:2012** **EN 60079-1:2007** **EN 60079-31:2009**

(10) The sign "U" placed after the certificate number indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as a basis for certification of an equipment or protective system.

(11) This EC Type examination certificate relates only to the design examination and tests of the specified component in accordance to the directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this component. These are not covered by this certificate.

The marking of the component shall include the following:



II 2G Ex d IIC Gb
II 2D Ex tb IIIC Db

Getafe, 2015-04-17

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

(This document may only be reproduced in its entirety and without any change) Page 1/2

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)



Eric Kandel, 1 - 28906 GETAFE (MADRID) • (34) 91 4421366 • (34) 91 4419933 • lom@lom.upm.es



LABORATORIO OFICIAL J. M. MADARIAGA

(A1) SCHEDULE

(A2) EC-Type Examination Certificate nr.: **LOM 15ATEX3011U**

(A3) Description of the certified component

Series of accessories intended to be mounted in the walls or covers of flameproof enclosures and/or protection by enclosure type of protection. These components have a M25 mounting thread.

The accessories are composed of actuators intended to transmit mechanical movement to switch gear mounted inside that enclosure, and a signal lamp.

Type	Accessory
EMG 1	Emergency actuator
SLC 1	Selector switch actuator
PBT 1	Pushbutton actuator
SGL 1	Signal lamp

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

Degree of protection IP66 according EN 60529

(A4) Test report nr. **LOM 12.194 AP**

(A5) Conditions for installation and use

These components have been tested at a static overpressure of 3 MPa. If the reference pressure target enclosure is higher than 2 MPa these accessories shall be tested to overpressure and flame transmission mounted in this enclosure.

Push button PBT 1 and emergency actuator EMG 1 are only valid for enclosures of group IIC with and internal volume up to 2000 cm³.

(A6) Individual test

Accessories can individually be tested at a static pressure of 3 MPa in accordance with paragraph 15.1.3 of EN 60079-0.

Alternatively they should be tested mounted on the target enclosure.

(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

	Rev.	Date
- Drawings nr.:		
ACS-EMG-SCH-01 (6 sheets)	8	2015-04-14
ACS-PBT-SCH-01 (6 sheets)	7	2015-04-14
ACS-SLC-SCH-01 (7 sheets)	6	2015-04-14
ACS-SGL-SCH-01 (5 sheets)	7	2015-04-14