

CERTIFICATE

(1) **EC-Type Examination**

(2) **Equipment and protective systems intended for use in potentially explosive atmospheres - Directive 94/9/EC**

(3) EC-Type Examination Certificate Number: **DEKRA 11ATEX0091 X** Issue Number: **1**

(4) Equipment: **Solenoid Valve Operator type LISC**

(5) Manufacturer: **Asco Numatics Sirai S.r.l.**

(6) Address: **Strada Per Cernusco 19, 20060 Bussero (MI), Italia**

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

(8) DEKRA Certification B.V., notified body number 0344 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment 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 test report number . NL/DEK/ExTR11.0030/xx.

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

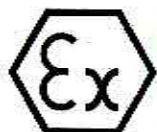
EN 60079-0 : 2009
EN 61241-11 : 2006

EN 60079-11 : 2007
EN 60079-26 : 2007

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment 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 according to the Directive 94/9/EC. Further requirements of the directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.

(12) The marking of the equipment shall include the following:



II 1 G Ex ia IIC T6 Ga or
II 2 G Ex ib IIC T6 Gb
II 2 D Ex ib IIIC T 85 °C Db IP 6X

This certificate is issued on 14 June 2011 and, as far as applicable, shall be revised before the date of cessation of presumption of conformity of (one of) the standards mentioned above as communicated in the Official Journal of the European Union.

DEKRA Certification B.V.



C.G. van Es
Certification Manager

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(13) **SCHEDULE**

(14) **to EC-Type Examination Certificate DEKRA 11ATEX0091 X**

Issue No. 1

(15) **Description**

Solenoid Valve Operator type LISC is used to control a valve.

Ambient temperature range -40 °C to +65 °C.

Electrical data

Exciter circuit (terminals + and -):

in type of protection intrinsic safety Ex ia IIC, only for connection to a certified intrinsically safe circuit, with maximum values:

$U_i = 30 \text{ V}$; $I_i = 300 \text{ mA}$; $P_i = 1,6 \text{ W}$; $C_i = 0 \text{ nF}$; $L_i = 0 \text{ }\mu\text{H}$.

Installation instructions

The instructions provided with the equipment shall be followed in detail to assure safe operation.

(16) **Test Report**

No. NL/DEK/ExTR11.0030/xx.

(17) **Special conditions for safe use**

When used in a potentially explosive atmosphere requiring the use of apparatus of equipment category 1 G, the apparatus must be installed so, that even in the event of rare incidents, an ignition source due to electrostatic discharge is excluded.

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at (9).

(19) **Test documentation**

As listed in Test Report No. NL/DEK/ExTR11.0030/xx.

Annex 1 to Certificate of Conformity IECEx DEK 11.0038X, issue 0

Manufacturing locations

1. ASCO NUMATICS SIRAI S.r.l.
Strada per Cernusco 19
20060 Bussero (Milano)
Italy
2. Asco Controls B.V.
Industrielaan 21
3925 BD Scherpenzeel
The Netherlands
3. ASCO Joucomatic
53, rue de Beauce
28111 Luce
France
4. ASCO Joucomatic Ltd.
2 Pit Hey Place
West Pimbo
Skelmersdale
Lancashire WN8 9PG
United Kingdom
5. ASCO Joucomatic Sp. z o.o.
Kurczaki 130
93331 Łódź
Poland
6. ASCO Numatics (India) Pvt. Ltd.
No. 57, Kundrathur Main Road
Gerugambakkam, Porur
Chennai-602 101, Tamilnadu
India
7. ASCO Valve (Shanghai) Co. Limited
No. 8 Hua Min Road
Song Jiang
Shanghai 201612
P.R. China
8. ASCO Valve Inc.
1561 Columbia Highway
Aiken, SC 29801
USA