

CERTIFICATE

(1) EU-Type Examination

(2) **Equipment or protective systems intended for use in potentially explosive atmospheres - Directive 2014/34/EU**

(3) EU-Type Examination Certificate Number: **DEKRA 11ATEX0091 X** Issue Number: **4**

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

(5) Manufacturer: **Emerson Automation Fluid Control & Pneumatics Italy Srl**

(6) Address: **Strada Per Cernusco 19, 20060 Bussero (Milano), Italy**

(7) This product 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 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products 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/ExTR11.0030/03.

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

EN 60079-0 : 2012 + A11

EN 60079-11 : 2012

except in respect of those requirements listed at item 18 of the Schedule.

(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

(11) This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

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



II 1 G Ex ia IIC T6 Ga or
II 2 G Ex ib IIC T6 Gb and
II 2 D Ex ib IIIC T85 °C Db

Date of certification: 8 November 2019

DEKRA Certification B.V.

L.G. van Schie
Certification Manager



(13) **SCHEDULE**

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

Issue No. 4

(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, Ex ib IIC and Ex ib IIIC, 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 product shall be followed in detail to assure safe operation.

(16) **Report Number**

No. NL/DEK/ExTR11.0030/03.

(17) **Specific conditions of use**

The Solenoid Valve Operator must be installed so, that even in the event of rare incidents, an ignition source due to electrostatic discharge is excluded.

If the Solenoid Valve Operator is mounted to a valve made of aluminium or with parts made of aluminium and used in a potentially explosive atmosphere requiring the use of equipment of category 1 G, the apparatus must be installed so, that even in the event of rare incidents, an ignition source due to impact sparks or friction is excluded.

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

Covered by the standards listed at item (9).

(19) **Test documentation**

As listed in Report No. NL/DEK/ExTR11.0030/03.

(20) **Certificate history**

Issue 1 -	214283400	Initial certificate
Issue 2 -	214934200	Specific condition of use added
Issue 3 -	218067000	Update of the standards.
Issue 4 -	224039100	Name change of the manufacturer