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

(1) EC-TYPE EXAMINATION CERTIFICATE

(3) Number of the EC type examination certificate: **INERIS 13ATEX0046X**

(4) Equipment or protective system:

SMART VALVE POSITIONER TYPE SS2...

(5) Manufacturer: **POWER-GENEX Ltd.**

(6) Address: 44B9L, 434-9, Nonhyun-Dong, Namdong-Gu
Incheon, 405-848 KOREA

(7) This equipment or protective system and any other acceptable alternative of this one are described in the annex of this certificate and the descriptive documents quoted in this annex.

(8) INERIS, notified body and identified under number 0080, in accordance with article 9 of Council Directive 94/9/EC of the 23rd March 1994, certifies that this equipment or protective system fulfils the Essential of Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, described in annex II of the Directive.

The examinations and the tests are consigned in report No 027709/13.

(9) The respect of the Essential Health and Safety Requirements is ensured by:

- conformity with:

EN 60079-0	:	2009
EN 60079-11	:	2007
EN 60079-26	:	2007

- specific solutions adopted by the manufacturer to meet the Essential Health and Safety Requirements described in the descriptive documents.

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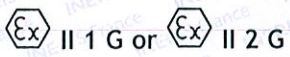
Etablissement public à caractère industriel et commercial - RCS Senlis B 381 984 921 - Siret 381 984 921 00019 - APE 743B

(10) Sign X, when it is placed following the Number of the EC type examination certificate, indicates that this equipment and protective system is subjected to the special conditions for safe use, mentioned in the annex of 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 the Directive 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 the protective system will have to contain:



Verneuil-en-Halatte, 2013.09.04

The Chief Executive Officer of INERIS
By delegation
T. HOUEIX
Ex Certification Officer

(13) # ANNEX

(14) EC TYPE EXAMINATION CERTIFICATE N°INERIS 13ATEX0046X

(15) DESCRIPTION OF THE EQUIPMENT OR THE PROTECTIVE SYSTEM

The Model SS2 Smart Valve Positioner is an intrinsically safe equipment which is used for control of linear and rotary valve position.

PARAMETERS RELATING TO THE SAFETY

Input characteristics (Port 1 - No.1, 2):
Ui = 28 V, Ii = 93 mA, Pi = 651 mW, Ci = 23 nF, Li ≈ 0

Output characteristics (Port 2 - No. 4, 5):
Ui = 28 V, Ii = 93 mA, Pi = 651 mW, Ci = 22 nF, Li ≈ 0

2 x STDT LIMIT Switches characteristics (Port 4-1 - No. 11&12 or 12&13, Port 4-2 - 14&15 or 15&16):
Ui = 28 V, Ii = 93 mA, Pi = 651 mW, Ci = 0, Li = 0

MARKING

Marking has to be readable and indelible; it has to include the following indications:

SS2L / SS2R Series (Aluminum):

POWER-GENEX Ltd.
Incheon, 405-848 KOREA
SS2...(*)
(Serial number)
(Year of construction)
INERIS 13ATEX0046X
⟨Ex⟩ II 2 G
Ex ia IIC T6 or T5 Gb
T.Amb : -40°C to + 40°C or + 80°C

WARNING : POTENTIAL ELECTROSTATIC CHARGING HAZARD - SEE INSTRUCTIONS

SS2SL / SS2SR Series (316SS):

POWER-GENEX Ltd.
Incheon, 405-848 KOREA
SS2...(*)
(Serial number)
(Year of construction)
INERIS 13ATEX0046X
⟨Ex⟩ II 1 G
Ex ia IIC T6 or T5 Ga
T.Amb: -40°C to + 40°C or + 80°C
WARNING: POTENTIAL ELECTROSTATIC CHARGING HAZARD - SEE INSTRUCTIONS

(*) The dots are replaced by a codification according to the manufacturing variations. The different types are indicated in the descriptive documents.

Marking may be carried out in the language of the country of use.

The protective system or equipment has also to carry the marking normally stipulated by its construction standards.

ROUTINE EXAMINATIONS AND TESTS

None.

(16) DESCRIPTIVE DOCUMENTS

The descriptive document quoted hereafter constitutes the technical documentation of the equipment, subject of this certificate.

- Certification file SS2 TYPE dated and signed on 2013.03.29

(17) SPECIAL CONDITIONS FOR SAFE USE

- For the risk of electrostatic discharge, the user will have to read the instructions.
- The insulation between an intrinsically safe circuit and the frame of the equipment is not capable of withstanding a 500 V dielectric strength test as defined in Cl.6.3.12 of EN 60079-11:2007. This shall be taken into account during installation.

(18) ESSENTIAL SAFETY AND HEALTH REQUIREMENTS

The respect of the Essential Health and Safety Requirements is ensured by:

- Conformity to the standards quoted in clause (9).
- All provisions adopted by the manufacturer and defined in the descriptive documents.