



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: **IECEX KTL 13.0002X** issue No.: **0** Certificate history: \_\_\_\_\_

Status: **Current**

Date of Issue: **2013-03-29** Page 1 of 3

Applicant: **Power-Genex Ltd.**  
44B9L, 434-9, Nonhyun-Dong, Namdong-Gu, Incheon, 405-849  
**Korea, Republic of**

Electrical Apparatus: **Smart Valve Positioner Model SS2 series**  
Optional accessory:

Type of Protection: **Intrinsic safety "i"**

Marking: **Ex ia IIC T6/T5 Ga or Gb**  
Ambient Temperature Range :  $-40^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$  (for T6) or  $+80^{\circ}\text{C}$  (for T5)  
Input (Port 1 – No. 1, 2) :  
 $U_i = 28\text{ V}$ ,  $I_i = 93\text{ mA}$ ,  $P_i = 651\text{ mW}$ ,  $C_i = 23\text{ nF}$ ,  $L_i \approx 0$   
Output (Port 2 – No. 4, 5) :  
 $U_i = 28\text{ V}$ ,  $I_i = 93\text{ mA}$ ,  $P_i = 651\text{ mW}$ ,  $C_i = 22\text{ nF}$ ,  $L_i \approx 0$   
2 x STDT LIMIT Switches (Port 4-1 – No. 11&12 or 12&13, Port 4-2 – 14&15 or 15&16) :  
 $U_i = 28\text{ V}$ ,  $I_i = 93\text{ mA}$ ,  $P_i = 651\text{ mW}$ ,  $C_i = 0$ ,  $L_i = 0$

Approved for issue on behalf of the IECEx  
Certification Body:

Jae-Hee Kim

Position:

Managing director

Signature:  
(for printed version)

Date:

2013-03-29

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the Official IECEx Website.

Certificate issued by:

**Korea Testing Laboratory**  
222-13, Guro-Dong, Guro-Gu  
Seoul, 152-718  
Korea, Republic of





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Manufacturer: **Power-Genex Ltd.**  
44B9L, 434-9, Nonhyun-Dong, Namdong-Gu, Incheon, 405-849  
**Korea, Republic of**

Additional Manufacturing location  
(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEX Quality system requirements. This certificate is granted subject to the conditions as set out in IECEX Scheme Rules, IECEX 02 and Operational Documents as amended.

#### STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

**IEC 60079-0 : 2007-10** Explosive atmospheres - Part 0: Equipment - General requirements  
Edition: 5

**IEC 60079-11 : 2006** Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"  
Edition: 5

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

#### TEST & ASSESSMENT REPORTS:

*A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in*

Test Report:  
KR/KTL/ExTR13.0008/00

Quality Assessment Report:

KR/KTL/QAR11.0002/00

KR/KTL/QAR11.0002/01