1. **EC-TYPE EXAMINATION CERTIFICATE**

2. **Equipment or Protective System Intended for use in Potentially explosive atmospheres Directive 94/9/EC**

3. Reference: **VTT 12 ATEX 055X Issue 1**

4. Equipment: **Assembly of temperature sensor**

5. Applicant: **SKS Group Oy**
Martinkyläntie 50
FI-01720 Vantaa
Finland

6. Manufacturing site: **SKS Connecto Oy**
Varastokatu 10
FI-05800 Hyvinkää
Finland

7. These equipment and any acceptable variations thereto are specified in the schedule and possible supplements to this Certificate and the documents therein referred to.

8. VTT Expert Services Ltd, notified body number 0537, in accordance with Article 9 of the Council Directive 94/9/EC of March 1994, certifies that these equipment have 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.

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

EN 60079-0 (2012)
EN 60079-1 (2007)
EN 60079-31 (2009)

10. If there appears sign X in the code, there are special conditions for safe use which are specified in the Annex of this Certificate.

11. This EC-Type examination certificate relates only to the design, examination and tests of the specified equipment in accordance 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 2 G Ex d IIC T6/T5 Gb
II 2 D Ex tb IIIC T80/T95 °C Db

Espoo, 11.8.2015
VTT Expert Services Ltd

Kari Koskela
Expert

Risto Sulonen
Product Manager

13. **Schedule**

14. **EC-TYPE EXAMINATION CERTIFICATE VTT 12 ATEX 055X Issue 1**

15. **Description of Equipment**

Assembly consists of the temperature sensor connected to the transmitter or ceramic terminal block in the Exd-certified enclosure.

Type designations

With thermocouples:
T-B…, T-C…, T-F…, T-D…, T-A…, T-AK…, T-K…, T-H…, T-M…

With RTD Temperature sensors:
W-B…, W-C…, W-E…, W-F…, W-D…, W-A…, W-K…, W-H…, W-M…

Construction

Enclosure:	Connection head XD-A** , XD-A** win series and Field transmitter housing XD-A**F…series by Limatherm, S.A. (FTZU 03 ATEX 0074U)
Temperature transmitters:	PR 5331A, PR 5335A, PR 5337A, PR 5350A, PR 5331D, PR 5335D, PR 5337D and PR 5350B made by PR electronics A/S
Terminal block:	Spring loaded terminal block as specified in the application manual No. N-L2236 (dated 31.8.2010) by Limatherm.

16. Special conditions for safe use

Used Exd-cable glands shall be selected according to the standard EN/IEC 60079-14.

Allowed ambient temperature range:

-40 °C to + 60 °C for T6/T80 °C
-40 °C to + 75 °C for T5/T95 °C

17. Essential Health and Safety Requirements

Met by the compliance with the standards referred in the clause 9.

Certificate history

Issue	Date	Comment
-	28.11.2012	Prime certificate
1	11.8.2015	Introduction new types of temperature transmitters: 5331D, 5335D, 5337D and 5350B

Espoo, 11.8.2015
VTT Expert Services Ltd

Kari Koskela
Expert

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