

1. **EU-TYPE EXAMINATION CERTIFICATE**
2. **Equipment or Protective System Intended for use in Potentially explosive atmospheres**
Directive 2014/34/EU

3. EU-Type Examination Certificate Number: **EESF 18 ATEX 048X Issue 1**

4. Product: **Temperature sensor**
Certified types: **WT-Kaapeli-6/ ...- .../SDS-2J-KLA-EX**

5. Manufacturer: **Lapp Automaatio Oy**

6. Address: **Martinkyläntie 52, FI-01720 Vantaa, Finland**

Additional manufacturing locations:

Lapp Connecto Oy, Varastokatu 10, FI-05800 Hyvinkää, Finland

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

8. Eurofins Expert Services Oy, Notified Body number 0537, 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 report No. VTT-S-00736-07.

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

EN 60079-0 (2004) EN 60079-7 (2003) EN 61241-0 (2006) EN 61241-1 (2004)

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 2GD Ex e II T1-T6
Ex tD A21 IP66 T 60 °C
T_{amb} (max) +180 °C

Espoo, 20.2.2019
Eurofins Expert Services Oy



Tony Myllylä
Expert




Jenni Hirvelä
Expert

13. **Schedule**

14. **EU-Type Examination Certificate EESF 18 ATEX 048X Issue 1**

15. **Description of Product**

Temperature sensor, type WT-Kaapeli-6/.... -.../SDS-2J-KLA-EX, consists of one Pt100-measuring element in a stainless steel protection tube. For the connection to external circuits the sensor is equipped with a fixed silicone cable with 2 conductors. The length (in mm) of a protection tube and a cable will be included in the type designation of the sensor.

16. **Report Number**

VTT-S-00736-07

17. **Specific Conditions of Use**

The temperature classification of the sensor (T1 - T6) is determined by the ambient temperature of the installation place.

Maximum ambient temperature is 180 °C for the sensor head and the silicone cable.

The connection of the sensor to external circuits shall be made according to the requirements of the connection place. Maximum voltage in the circuits to which the sensor is connected shall not exceed 60 V.

18. **Essential Health and Safety Requirements**

The Essential Health and Safety Requirements are covered by the standards listed at item 9.

19. **Drawings and Documents**

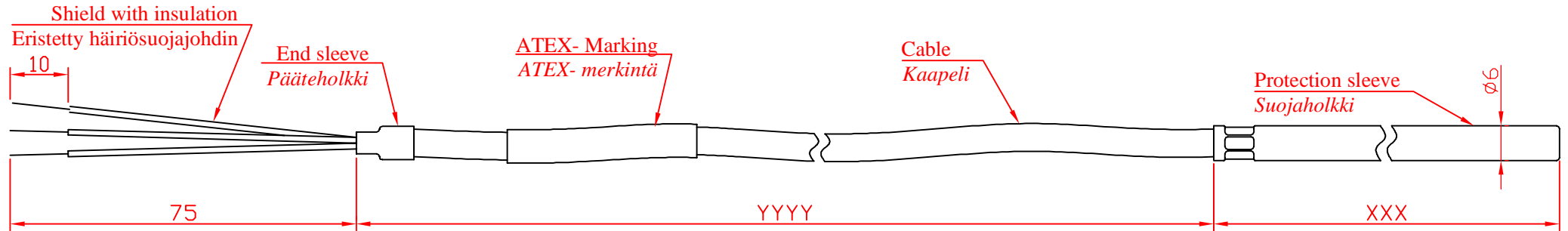
Construction drawing, component list and manufacturing instructions; drawing nr. 1061958 (rev 4), 5 pages.

20. **Certificate History**

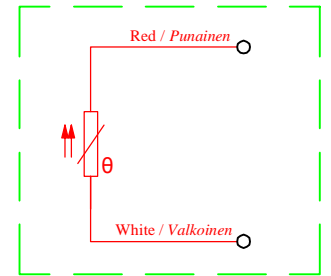
Certificate	Date	Report No.	Change
VTT 07 ATEX 012X	23.1.2007	VTT-S-00736-07	Prime certificate
EESF 18 ATEX 048X	05.12.2018	-	Name and address of the manufacturer has changed. The Certificate Number has changed due to the name change of the Notified Body.
EESF 18 ATEX 048X Issue 1	20.2.2019	-	Document revision corrected.

Changes in the drawing are allowed only by the permission of the authorities who have granted the certificate
 Muutokset sallittu vain sertifikaatin myöntäjän luvalla

The drawing is a valid document only with signatures (Chkd. and Appd.)
 Piirustus on pätevä dokumentti vain allekirjoitettuna (Tark. ja Hyv.)



1x Pt100, Class A, 2-wire,
 acc. to standard IEC 60751.
 1xPt100, Luokka A, 2-johdin,
 standardin IEC 60751 mukaan



- Operating temperature range -40... + 180°C
- Max measurin current 10 mA
- Electrical connections to approved unit according to application or to terminal box according to requirements at connecting site
- Tinned copper connection wires 0,22 mm²

- Käyttölämpötila-alue -40... + 180°C
- Maksimi mittausvirta 10 mA
- Sähköinen kytkentä sovelluksen mukaisesti hyväksyttyyn laitteeseen tai kytkentäkoteloon
- Tinatut kupari kytkentäjohtimet 0,22 mm²

	Name Nimi	Signature Allekirjoitus	Date Päiväys	Info		
Drawn Piirtäjä	J.Mikkonen		18.01.2019	EESF 18 ATEX 048X II 2 G Ex e II T1-T6		
Checked Tarkastaja	S.Ojanen		18.01.2019	II 2 D Ex tD A21 IP66 T 60°C Tamb (max) + 180°C		
Approved Hyväksyjä	V.Tepponen		18.01.2019			
LAPP AUTOMAATIO Lapp Automaatio Oy Martinkyläntie 52 FI-01720 Vantaa, Finland p. +358 (0) 20 764 64 e. info.automaatio@lappgroup.com		Process material Prosessi materiaali AISI 316 Coating material Pinnoite materiaali		Product Tuotenimi WT-KAAPELI-6/XXX-YYYY/SDS-2J-KLA-EX	Size Koko A4	
				Drawing number Piirustusnumero 1061958	Rev. 3	Scale Suhde

EU Declaration of Conformity

We, the manufacturer Lapp Automaatio Oy
Martinkyläntie 52
FI-01720 Vantaa, Finland

declare that the following product

Temperature sensor

Type: WT-Kaapeli-6/...-.../SDS-2J-KLA-EX


is in conformity with the Directive 2014/34/EU.

The declaration is based on the EU-type Examination Certificate
EESF 18 ATEX 048X Issue 1

and the Production Quality Assessment Notification EESF 18 ATEX Q 006

issued by Eurofins Expert Services Oy (Notified Body number 0537),
address: Kivimiehentie 4, P.O. Box 47, FI-02151 Espoo, Finland.

The marking of the equipment or protective system include the following:

 II 2 GD Ex e II T1-T6
Ex tD A21 IP66 T60°C
Tamb (Max) +180°C

The compliance with the Essential Health and Safety Requirements of the Directive is met by
the compliance with the following standards:

EN 60079-0 (2012)
EN 60079-7 (2015)
EN 60079-31 (2014)

“The revised (now harmonized) standards have been compared to the standards used for
certification purposes and that no changes in the “state of the art” apply to the equipment.”

Vantaa 28.2.2019



Johan Olofsson
Managing Director of Lapp Automaatio Oy