



1. **EC-TYPE EXAMINATION CERTIFICATE**

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

3. Reference: **VTT 10 ATEX 011 Issue 3**

4. Equipment: **Portable transformer**

Certified type: **Slam Trans 200 EX**

5. Manufactured by: **Atexor Oy**

6. Address: **Puurtajantie 16  
FI-60510 HYLLYKALLIO  
Finland**

7. This equipment or protective system and any acceptable variations thereto are specified in the schedule and possible supplement(s) 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 this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective system intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential reports no. VTT-S-02327-08, VTT-S-05773-10, Test Report by Centaurea Oy (dated 26.3.2010) and VTT-S-03921-11.

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

**EN 60079-0 (2009)**

**EN 60079-7 (2007)**

**EN 60079-31 (2009)**



10. If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to 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. This certificate does not cover these.
12. The marking of the equipment or protective system shall include the following:



**II 2 G**

**Ex e d IIC T4 Gb or  
Ex e mb IIC T4 Gb**

**II 2 D**

**Ex tb IIIC T 70 °C Db**

**T<sub>amb</sub>: -20 °C... +50 °C**

Espoo, 11.2.2014

VTT Expert Services Ltd

Martti Siirola  
Senior Expert

Risto Sulonen  
Product Manager



13.

## Schedule

14.

**EC-TYPE EXAMINATION CERTIFICATE VTT 10 ATEX 011 Issue 3**

15.

Description of Equipment:

**Portable transformer: Slam Trans 200 EX**

Rated values:

|                      |                             |
|----------------------|-----------------------------|
| Power                | 200 VA                      |
| Input voltage        | 230 VAC                     |
| Output voltage       | 12 V AC, 24 V AC or 48 V AC |
| Output current       | 16 A                        |
| Degree of protection | IP 66                       |

Documents:

- Instructions for CentaurSlam Trans 200 Ex rev.1.0.
- REPAIR MANUAL CSTR200EX – CENTAURSLAM TRANS 200 Ex, rev. 1.0
- Construction drawing CSTR200EX\_HK (2010-07-05)
- Exploded view CSTR200EX\_HKb with part list (dated 5.7.2010)

Basic construction:

Exe - protected portable transformer. Primary voltage is 230 VAC and secondary voltages are 12 V AC, 24 V AC or 48 V AC. The number of the output sockets is 1-4. The portable transformer is fitted with a cable H07RN-F or cable having equally robust construction. A plug is not covered by the certificate.

Ex-Components

Transformer: ATX, EEx e II, LCIE 03 ATEX 0021 U or equivalent Exe-certified types

Fuse: A.T.X, EEx de IIC T4, LCIE 02 ATEX 0003 U or CentaureaSlam Fuse Ex, Ex mb IIC Gb/Ex mb IIIC Db, VTT 10 ATEX 015U

Flush mounting sockets: ATX S.A., EEx ed IIC T6 or T5, LCIE 02 ATEX 0001U or equivalent Exed-certified types

Cable gland: AGRO AG; EX, EEx e II, PTB 02 ATEX 1126 X or equivalent Exe-certified types



16. Report Nos.

VTT-S-02327-08, VTT-S-05773-10, Test Report by Centaurea Oy (dated 26.3.2010) and VTT-S-03921-11.

17. Special conditions for safe use:

None

18. Essential Health and Safety Requirements:

Compliance is met with the standards referred in point 9.

Certificate history

| Issue | Date      | Report No.     | Comment   |
|-------|-----------|----------------|---|
| -     | 26.3.2010 | VTT-S-02327-08 | Prime certificate   |
| 1     | 8.7.2010  | VTT-S-05773-10 | The introduction of the new construction with alternative fuse and the removing outdoor use restriction by fulfilling UV-test requirements.   |
| 2     | 25.5.2011 | VTT-S-03921-11 | Increasing the output current to 16 A   |
| 3     | 11.2.2014 | -              | Change of the manufacturer's name and address and the type designation. A review against EN 60079-31:2009, which is harmonized, shows no major changes relevant to this equipment and so the certificate is up-dated accordingly. |

Espoo, 11.2.2014

VTT Expert Services Ltd



Martti Siirola  
Senior Expert



Risto Sulonen  
Product Manager

Certificate without signatures shall not be valid.

This certificate, including the schedule, may only be reproduced in its entirety and without any change.

