



1. **EC-TYPE EXAMINATION CERTIFICATE**

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

3. Reference: **VTT 08 ATEX 029 Issue 4**

4. Equipment: **Portable transformer**

Certified type: **Slam Trans 400 Ex**

5. Manufactured by: **Atexor Oy**

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

7. This equipment or protective system and any acceptable variations thereto is 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 report nos. VTT-S-02327-08, VTT-S-05773-10 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

Espoo, 12.2.2014
VTT Expert Services Ltd



Martti Siirola
Senior Expert



Risto Sulonen
Product Manager



13.

Schedule

14.

EC-TYPE EXAMINATION CERTIFICATE VTT 08 ATEX 029 Issue 4

15.

Description of Equipment:

Portable transformer: Slam Trans 400 Ex

Applicable rated values:

Power	400 VA
Frequency	50 Hz or 60 Hz
Input voltage	110 VAC or 230 VAC
Output voltage	12 V AC, 24 VAC or 48 VAC
Output current	16 A
Protection class	IP 66

Documents:

- Construction drawing CSTR400EX_2010 (dated 2010-05-10)
- Exploded view CSTR400EX_2010_HKb with part list (dated 2010-07-14)
- Wiring diagram 400EX_12Vx3_230V

Basic construction:

Exe – protected portable 400 VA transformer. Primary voltage is 110 VAC or 230 VAC and secondary voltages are 12 VAC, 24 VAC or 48 VAC. 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.

Transformer body may have yellow or green color.

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 C or equivalent Exe-certified types

Certificate without signatures shall not be valid.

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



16. Report Nos. VTT-S-02327-08, VTT-S-05773-10 and VTT-S-03921-11

17. Special conditions for safe use:

None

18. Essential Health and Safety Requirements:

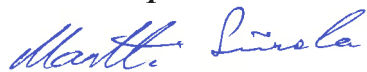
Compliance is met with the standards referred in point 9.

Certificate history

Issue	Date	Report No.	Comment
-	27.6.2008	VTT-S-02327-08	Prime certificate
Supp 1	29.10.2008	CNT-08-0001	The introduction of 110 VAC as primary voltage and degree of protection IP66 with extra sealing
Supp 2	25.5.2009	CNT-09-0001	The introduction of 12 VAC as secondary voltage and 16 A output current
Supp 3	13.7.2009	CNT-09-0002	Introduction of 60 Hz
1	14.7.2010	VTT-S-05773-10	Merging the supplements and 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 output current to 16 A without use restrictions
3	25.8.2011	-	New variation enabling one socket in primary side and three individually fuse protected secondary sockets.
4	12.2.2014	-	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, 12.2.2014

VTT Expert Services Ltd



Martti Siirola
Senior Expert



Risto Sulonen
Product Manager

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