

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 20 ATEX 014X**
4. Product: **Single phase transformer**
Certified types: **SLAM® TrafoEx 400**
5. Manufacturer: **Atexor Oy**
6. Address: **Puurtajantie 16, FI-60100 Seinäjoki, 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. EUFI29-19005644-T1.
9. Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018 EN IEC 60079-7:2015/A1:2018 EN 60079-31:2014
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 2G Ex eb IIC T4/T3 Gb
II 2D Ex tb IIIC T70°C Db

Espoo, 24.03.2020
Eurofins Expert Services Oy

Kari Koskela
 Expert

Jenni Hirvelä
 Expert

This document is digitally signed.



13. **Schedule**

14. **EU-Type Examination Certificate EESF 20 ATEX 014X**

15. **Description of Product**

The equipment is a single-phase step down transformer. The transformer is constructed within a certified enclosure with protective carry handles added. The transformer has a supply cable incorporating PE-conductor and up to four sockets for field wiring connections. One of these sockets can be for through-wiring purposes.

Socket alternatives: A.T.X.; PRE series PCX 16A; LCIE 02 ATEX 0001U; Ex de IIC / Ex tD A21 IP66 OR
Cooper Crouse-Hinds GmbH; CEAG GHG54*; BVS 14 ATEX E 131 U; Ex db eb IIC *Only for potentially explosive gas atmospheres*

In potentially explosive gas atmospheres the equipment has Type of Protection Ex eb. However, sockets and fuse holders have Type of Protection Ex eb db. These parts are not intended to be repaired.

Rated values

Primary / input	Secondary / output		
	Voltage (V)	Voltage (V)	Current (A) *
230	48	8	384
230	24	16	384
230	12	16	192
110	48	8	384
110	24	16	384

*The maximum output current is the sum of the current in all sockets except the possible through-wiring socket. The maximum current is subject to de-rating depending on the ambient temperature.

The primary circuit (not including possible through-wiring socket) has a fuse of 4 A and the secondary circuit has a fuse of 8 A or 16 A depending on the output voltage.

Frequency 50Hz/60Hz

Temperature Class and Equipment Groups

In potentially explosive gas atmospheres the temperature class is T4 up to +45 °C ambient temperature and T3 up to +55 °C.

In potentially explosive dust atmospheres the temperature class is T70°C up to +55 °C ambient temperature.

16. **Report Number**

EUF129-19005644-T1

17. **Specific Conditions of Use**

The allowed ambient temperature range of the equipment is -20 °C...+55 °C. For ambient temperatures above +39 °C the permitted output current is lower than 16A/8A depending on the socket type, see manufacturer's instructions.

The equipment may be moved when energized when plugs are not connected to the sockets. The equipment shall not be moved when plugs are connected.

The equipment shall not be used in areas affected by charge-producing processes, mechanical friction and separation processes, electron emission (e.g. in the vicinity of electrostatic coating equipment), and pneumatically conveyed dust.

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

Drawings and documents are listed in the confidential report.