

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 Issue 1**

4. Product: **Single phase transformer and distribution box**

Certified types: **Single phase transformer SLAM® TrafoEx 400**

Distribution box SLAM® SplitterEx

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. EUFI29-21004279-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 60079-1:2014
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:

SLAM® TrafoEx 400

SLAM® SplitterEx



II 2G Ex db eb IIC T4/T3 Gb

II 2G Ex db eb IIC T4 Gb

II 2D Ex tb IIIC T90°C Db

II 2D Ex tb IIIC T90°C Db

Espoo, 11.11.2021

Eurofins Expert Services Oy

Kari Koskela
Senior Expert

Jenni Hirvelä
Senior Expert

This document is digitally signed.



13. **Schedule**

14. **EU-Type Examination Certificate EESF 20 ATEX 014X Issue 1**

15. **Description of Product**

SLAM® TrafoEx 400 is a single-phase step down transformer and SLAM® SplitterEx is a distribution box. Both equipment are constructed within a certified enclosure with additional protective carry handles and are provided with a supply cable with PE-conductor. Both equipment also have up to four sockets for output. In SLAM® TrafoEx 400 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

Cooper Crouse-Hinds GmbH; CEAG GHG54*; BVS 14 ATEX E 131 U; Ex db eb IIC Only for potentially explosive gas atmospheres

Cooper Crouse-Hinds GmbH; GHG 5118*; BVS 15 ATEX E 101 U; Ex db eb IIC Gb, Ex tb IIIC Db; Used only in SLAM® SplitterEx

MARECHAL ELECTRIC; DXN1; LCIE 99 ATEX 6027X; Ex db eb IIC T5 Gb, Ex tb IIIC T90°C Db

R. STAHL Schaltgeräte GmbH; 8572/15-***-*; PTB 16 ATEX 1016U; Ex db eb IIC Gb, Ex tb IIIC Db

R. STAHL Schaltgeräte GmbH; 8573/15-***-*; PTB 16ATEX1018U; Ex db eb IIC Gb, Ex tb IIIC Db

In potentially explosive gas atmospheres the equipment has Type of Protection Ex db eb. Marking Ex db is related to the separately certified sockets and fuse holder. These parts are not intended to be repaired.

Rated values for SLAM® TrafoEx 400

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. See manufacturer's instructions for safe use.

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

Rated values for SLAM® SplitterEx

Voltage (V) 24-230 V (as marked on the rating plate)
 Current (A) * 16 A
 Frequency 50Hz/60Hz

*The maximum output current is the sum of the current in all sockets. The maximum current is subject to de-rating depending on the ambient temperature. See manufacturer's instructions for safe use.

SLAM® SplitterEx does not have a fuse.

Temperature class

SLAM® TrafoEx 400

-20°C ≤ T_{amb} ≤ +45 °C (T4)
 +45°C < T_{amb} ≤ +55 °C (T3)
 -20°C ≤ T_{amb} ≤ +55 °C (T90°C)

SLAM® SplitterEx

-20°C ≤ T_{amb} ≤ +55 °C (T4)
 -20°C ≤ T_{amb} ≤ +55 °C (T90°C)

16. Report Number

EUFI29-21004279-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 (SLAM® TrafoEx 400) or +40°C (SLAM® SplitterEx) the permitted output current may be 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.

20. Drawings and Documents

Issue	Date	Report No.	Change
0	24.03.2020	EUFI29-19005644-T1	Prime certificate
1	11.11.2021	EUFI29-21004279-T1	SLAM® SplitterEx model added. Sockets alternatives were added. Dust marking is changed from T70°C to T90°C for simplicity (new sockets DXN1 by MARECHAL ELECTRIC are rated T90°C). Type of Protection "db" due to sockets and fuse holder has been added to the marking.