

# CERTIFICATE

Issued to:  
Applicant:  
**Grothe GmbH**  
**Löhestrasse 22**  
**53773 Hennef, Germany**

Manufacturer/Licensee:  
**Grothe GmbH**  
**Löhestrasse 22**  
**53773 Hennef, Germany**

Product : safety insulation transformers  
Trade name : ACTI9  
Types : A9A15218, A9A15219, A9A15220, A9A15222

The product and any acceptable variation thereto is specified in the Annex to this certificate and the documents therein referred to.

DEKRA hereby declares that the above-mentioned product has been certified on the basis of:

- a type test according to the standard EN 61558-1:2005 + C1:2008 + C11:2006 + A1:2009; EN 61558-2-6:2009;
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 962390

DEKRA hereby grants the right to use the ENEC KEMA-KEUR certification mark.

The ENEC KEMA-KEUR certification mark may be applied to the product as specified in this certificate for the duration of the ENEC KEMA-KEUR certification agreement and under the conditions of the ENEC KEMA-KEUR certification agreement.

This certificate is issued on: 11 February 2013 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 2154027.13

DEKRA Certification B.V.



drs. G.J. Zoetbrood  
Managing Director



H.R.M. Barends  
Certification Manager

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ACCREDITED BY  
THE DUTCH COUNCIL  
FOR ACCREDITATION



**SPECIFICATION OF THE CERTIFIED PRODUCT****Product data**

product	: safety insulation transformers
trade name	: ACTI9
types	: A9A15218, A9A15219, A9A15220, A9A15222
rated voltage primary	: 230 V~
nature of supply	: ~
rated frequency	: 50 Hz
rated current	: see product data per type
rated input	: see product data per type
class	: II (when caps are mounted or when built-in into distribution board)
degree of protection	: IP20 (when caps are mounted or when built-in into distribution board)
short-circuit protection	: non-inherently short-circuit proof
maximum rated ambient temperature	: see product data per type

**Product data - type A9A15218**

rated voltage secondary I	: 12 V~
rated voltage secondary II	: 24 V~
rated load secondary I	: 1.3 A
rated load secondary II	: 0.6 A
max rated input	: 16 VA
max rated ambient temperature	: ta35°C
insulation class	: F

**Product data - type A9A15219**

rated voltage secondary I	: 12 V~
rated voltage secondary II	: 24 V~
rated load secondary I	: 2 A
rated load secondary II	: 1 A
max rated input	: 24 VA
max rated ambient temperature	: ta35°C
insulation class	: F

**Product data - type A9A15220**

rated voltage secondary I	: 12 V~
rated voltage secondary II	: 24 V~
rated load secondary I	: 3.3 A
rated load secondary II	: 1.6 A
max rated input	: 40 VA
max rated ambient temperature	: ta25°C
insulation class	: F



**Product data - type A9A15222**

rated voltage secondary I	: 12 V~
rated voltage secondary II	: 24 V~
rated load secondary I	: 5.2 A
rated load secondary II	: 2.6 A
max rated input	: 63 VA
max rated ambient temperature	: ta25°C
insulation class	: F

**TESTS****Test requirements**

EN 61558-1:2005 + C1:2008 + C11:2006 + A1:2009  
EN 61558-2-6:2009

**Test result**

The test results are laid down in DEKRA test file 2154027.13.

**Remarks**

For component list see test report ref. no. 2154027.50  
This certificate replaces 2154027.13 dated 20 November 2012 and concerns the addition of A1:2009 of EN 61558-1:2005

**Conclusion**

The examination proved that all test requirements were met.

Tested by : M. Poelman

Checked by : F.A. Rothuis

Two handwritten signatures in blue ink. The top signature is smaller and appears to be 'M. Poelman'. The bottom signature is larger and more stylized, appearing to be 'F.A. Rothuis'.**Factory location**

Grothe GmbH  
Löhestrasse 22, 53773, Hennef  
Germany