

CERTIFICATE

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

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

Product : bell transformers
Trade name : ACTI9
Types : A9A15212, A9A15213, A9A15214, A9A15215, A9A15216

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 61558-2-8:2010;
- 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: 20 November 2012 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 2154027.14

DEKRA Certification B.V.



drs. G.J. Zoetbrood
Managing Director



H.R.M. Barends
Certification Manager

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All testing, inspection, auditing and certification activities of the former KEMA Quality are an integral part of the DEKRA Certification Group.

ACCREDITED BY
THE DUTCH COUNCIL
FOR ACCREDITATION



SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

| | |
|-------------------------------|-----------------------------------------------------------------------|
| product | : bell transformers |
| trade name | : ACTI9 |
| type | : A9A15212, A9A15213, A9A15214, A9A15215, A9A15216 |
| rated voltage | : see product data per type |
| nature of supply | : ~ |
| rated frequency | : 50 Hz |
| rated input class | : see product data per type |
| degree of protection | : II (when caps are mounted or when built-in into distribution board) |
| short-circuit protection | : IP20 (when caps are mounted or when built-into distribution board) |
| max rated ambient temperature | : non-inherently short-circuit proof |
| insulation class | : see product data per type |
| | : E |

Product data - type A9A15212

| | |
|-------------------------------|----------|
| rated voltage primary | : 230 V~ |
| rated voltage secondary I | : 4 V~ |
| rated voltage secondary II | : 8 V~ |
| rated voltage secondary III | : 12 V~ |
| rated load secondary I | : 2.0 A |
| rated load secondary II | : 2.0 A |
| rated load secondary III | : 1.5 A |
| max rated input | : 18 VA |
| max rated ambient temperature | : ta40°C |

Product data - type A9A15213

| | |
|-------------------------------|----------|
| rated voltage primary | : 230 V~ |
| rated voltage secondary I | : 8 V~ |
| rated voltage secondary II | : 12 V~ |
| rated load secondary I | : 0.5 A |
| rated load secondary II | : 0.3 A |
| max rated input | : 4 VA |
| max rated ambient temperature | : ta35°C |

Product data - type A9A15214

| | |
|-------------------------------|----------|
| rated voltage primary | : 230 V~ |
| rated voltage secondary | : 8 V~ |
| rated load | : 0.5 A |
| max rated input | : 4 VA |
| max rated ambient temperature | : ta35°C |

Product data - type A9A15215

rated voltage primary : 230 V~
rated voltage secondary I : 12 V~
rated voltage secondary II : 24 V~
rated load secondary I : 2.0 A
rated load secondary II : 1.0 A
max rated input : 24 VA
max rated ambient temperature : ta35°C

Product data - type A9A15216

rated voltage primary : 230 V~
rated voltage secondary I : 8 V~
rated voltage secondary II : 12 V~
rated load secondary I : 1.0 A
rated load secondary II : 0.6 A
max rated input : 8 VA
max rated ambient temperature : ta35°C

TESTS**Test requirements**

EN 61558-1:2005 + C1:2008 + C11:2006 + A1:2009
EN 61558-2-8:2010

Test result

The test results are laid down in DEKRA test file 2154027.14.

Remarks

For component list see Test Report Ref. No. 2154027.51

Conclusion

The examination proved that all test requirements were met.

Tested by : M. Poelman 

Checked by : F.A. Rothuis 

Factory location

Grothe GmbH
Löhestrasse 22, 53773, Hennef
Germany