

# CERTIFICATE

Issued to:  
Applicant:  
**ZHEJIANG MAXGE ELECTRIC TECHNOLOGY  
CO., LTD.**  
**NO. 299 EAST CHANGHONG ROAD, DEQING  
ECONOMIC ZONE, WUKANG, DEQING,  
ZHEJIANG, CHINA P.C: 313200**

Manufacturer/Licensee:  
**ZHEJIANG MAXGE ELECTRIC TECHNOLOGY  
CO., LTD.**  
**NO. 299 EAST CHANGHONG ROAD, DEQING  
ECONOMIC ZONE, WUKANG, DEQING,  
ZHEJIANG, CHINA P.C: 313200**

Product(s) : RCCB  
Trade name(s) : MAXGE  
Type(s)/model(s) : SGR, ALR, EPR, EPR-2

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 61008-1:2012 + A1:2014 + A2:2014 + A11:2015, EN 61008-2-1:1994 + A11:1998; IEC 61008-1:2010 + A1:2012 + A2:2013; IEC 61008-2-1:1990
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 2165673

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

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

This certificate is issued on: 18 August 2016 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 3310153.01

DEKRA Certification B.V.



drs. G.J. Zoetbrood  
Managing Director



F.S. Strikwerda  
Certification Manager

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ACCREDITED BY THE  
DUTCH ACCREDITATION  
COUNCIL



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

|   |   |
|---|---|
| product   | : Rccb  |
| trade name(s)   | : MAXGE   |
| type(s)   | : SGR, ALR, EPR, EPR-2                                    |
| number of poles   | : 1P+N, 3P+N  |
| rated current (In)  | : 16, 20, 25, 32, 40, 50, 63, 80 A                        |
| rated residual current (I <sub>dn</sub> )                           | : 30, 100, 300 mA for 16 A to 80 A, 10mA for 16 A to 25 A |
| rated voltage (Un)  | : 240 Vac (1P+N), 415 Vac (3P+N)                          |
| behaviour to d.c. components  | : type A and AC   |
| time delay  | : without time delay                                      |
| rated conditional short-circuit current (I <sub>nc</sub> )          | : 10 kA   |
| rated conditional residual short-circuit current (I <sub>dc</sub> ) | : 10 kA   |
| rated making and breaking capacity (I <sub>m</sub> )                | : 500 A or 10 I <sub>n</sub> whichever is greater         |
| rated residual making and breaking capacity (I <sub>dm</sub> )      | : 500 A or 10 I <sub>n</sub> whichever is greater         |
| safety distance "a" (grid)  | : 45 mm   |
| ambient temperature limit   | : -25 °C ... +40 °C                                       |

**Additional information**

Nomenclature breakdown:

SGR 2 80 30 A

a b c d e

a - code denoting the series name: SGR, ALR, EPR or EPR-2

b - code denoting the number of pole: 2= 1P+N, 4= 3P+N

c - code denoting the current rating: 16, 20, 25, 32, 40, 50, 63, 80 A

d - code denoting the residual current rating: 10, 30, 100, 300 mA

e - code denoting the type of Rccb: A= type A, AC= type AC

**TESTS****Test requirements**

EN 61008-1:2012 + A1:2014 + A2:2014 + A11:2015

EN 61008-2-1:1994 + A11:1998

IEC 61008-1:2010 + A1:2012 + A2:2013

IEC 61008-2-1:1990

**Test result**

The test results are laid down in DEKRA test file 3310153.01 and test report 3310153.50 and also based on LCIE CB certificate no. FR 685060 issued on 2016-04-07 with test reports no. B180008-01 to 08 issued on 2016-03-22, test reports no. B120048-00 Amendment No.1:2016-01-07, B120048 -19 and 20 issued on 2016-01-07 and test reports no. B120048-00 to 18 issued on 2013-05-28.



**Conclusion**

The examination proved that all test requirements were met.

Tested by : LCIE and Lester Wang

A handwritten signature in black ink, appearing to read 'Lester Wang'.

Checked by : Eric Wang

A handwritten signature in black ink, appearing to read 'Eric Wang'.

**Factory locations**

ZHEJIANG MAXGE ELECTRIC TECHNOLOGY CO., LTD.  
NO. 299 EAST CHANGHONG ROAD, DEQING ECONOMIC ZONE, WUKANG, DEQING, ZHEJIANG,  
CHINA P.C: 313200