

# CERTIFICATE

Issued to:

Applicant:

MAXGE ELECTRIC TECHNOLOGY CO., LTD.  
No.299 East Changhong Road, Wukang Town,  
Deqing County,  
313200 Zhejiang Province, P.R., China

Licensee:

MAXGE ELECTRIC TECHNOLOGY CO., LTD.  
No.299 East Changhong Road, Wukang Town,  
Deqing County,  
313200 Zhejiang Province, P.R., China

Product : Residual current operated circuit-breakers without integral overcurrent protection (RCCB)  
Trade name(s) : MAXGE  
Type(s)/model(s) : SGR, ALR, EPR and 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, EN 61008-1:2012/A1:2014, EN 61008-1:2012/A2:2014, EN 61008-1:2012/A11:2015, EN 61008-1:2012/A12:2017, EN 61008-2-1:1994 and EN 61008-2-1:1994/A11:1998
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 2165673

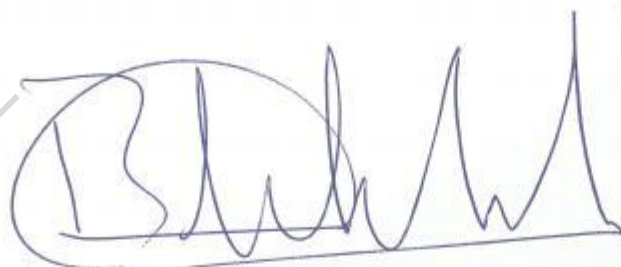
DEKRA hereby grants the right to use the KEMA-KEUR certification mark.

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 26 October 2020 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 33-114615

DEKRA Certification B.V.



B.T.M. Holtus  
Managing Director



R Zhou  
Certification Manager

© Integral publication of this certificate is allowed

ACCREDITED BY THE  
DUTCH ACCREDITATION  
COUNCIL



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

Product	: Residual current operated circuit-breakers without integral overcurrent protection (RCCB)
Trade name(s)	: MAXGE
Type(s)/model(s)	: SGR, ALR, EPR and 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 $\Delta$ n)	: 30, 100, 300 mA for 16 A to 80 A, 10 mA for 16 A to 25 A
Rated voltage (Ue)	: 240 Vac (1P+N), 415 Vac (3P+N)
Rated frequency	: 50 / 60 Hz
Behaviour to d.c. Components	: Type A and AC
Time delay	: Without time-delay
Dependent of the line voltage	: No
Rated conditional short-circuit current (I $\Delta$ c)	: 10 kA and 6 kA
Rated conditional residual short-circuit current (I $\Delta$ c)	: 10 kA and 6 kA
Rated making and breaking capacity (Im)	: 500 A or 10 In (whichever is greater)
Rated residual making and breaking capacity (I $\Delta$ m)	: 500 A or 10 In (whichever is greater)
The grid distance "a"	: 45 mm
Ambient air temperature	: -25 °C to +40 °C
Method of mounting	: Flush-type, for mounting on top hat rail 35 mm (EN 50022)
Degree of protection against moisture	: IP20
Connection	: Pillar terminal for copper conductors
Markings	: Trade name, type designation and electrical ratings are indicated on the body

**TESTS****Test requirements**

EN 61008-1:2012  
EN 61008-1:2012/A1:2014  
EN 61008-1:2012/A2:2014  
EN 61008-1:2012/A11:2015  
EN 61008-1:2012/A12:2017  
EN 61008-2-1:1994  
EN 61008-2-1:1994/A11:1998

**Test result**

The test results are laid down in DEKRA test file 331804000.

**Additional information**

The referred test reports are 3318040.50, 3316048.50, 3310153.50 and LCIE CB certificate no. FR\_708543 with CB test report no. B200016 and LCIE CB certificate no. FR 685060 with CB test reports B120048-00 to 20 and B160008-00 to 08.

The product also complies with IEC 61008-1:2010, A1:2012, A2:2013 and IEC 61008-2-1:1990.

This certificate replaces certificate No. 33-109036 which we herewith declare invalid.

**Conclusion**

The examination proved that all requirements were met.

**Factory location**

MAXGE ELECTRIC TECHNOLOGY CO., LTD.  
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