



Ref. Certif. No.

FR 642428/M1

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST
CERTIFICATES FOR ELECTRICAL EQUIPMENT
(IECEE) CB SCHEME

SYSTEME CEI D'ACCEPTATION MUTUELLE DE
CERTIFICATS D'ESSAIS DES EQUIPEMENTS
ELECTRIQUES (IECEE) METHODE OC

CB TEST CERTIFICATE / CERTIFICAT D'ESSAI OC

Product
Produit

Residual current operated circuit-breakers without integral
overcurrent protection (RCCB)

Name and address of the applicant
Nom et adresse du demandeur

ZHEJIANG MAXGE ELECTRIC TECHNOLOGY CO.,LTD
NO.299 EAST CHANGHONG ROAD,DEQING ECONOMIC DEVELOPMENT
ZONE, WUKANG DEQING , China

Name and address of the manufacturer
Nom et adresse du fabricant

ZHEJIANG MAXGE ELECTRIC TECHNOLOGY CO.,LTD
NO.299 EAST CHANGHONG ROAD,DEQING ECONOMIC DEVELOPMENT
ZONE, WUKANG DEQING , China

Name and address of the factory
Nom et adresse de l'usine

ZHEJIANG MAXGE ELECTRIC TECHNOLOGY CO.,LTD
NO.299 EAST CHANGHONG ROAD,DEQING ECONOMIC DEVELOPMENT
ZONE, WUKANG DEQING , China

Note : When more than one factory, please report on page 2
Note : Lorsqu'il y a plus d'une usine, veuillez utiliser la 2ème page

Ratings and principal characteristics
Valeurs nominales et caractéristiques principales

See annex 1

Trademark (if any)
Marque de fabrique (si elle existe)

MAXGE

Type of Manufacturer's Testing Laboratories used
Type de programme du laboratoire d'essais constructeur

/

Model / Type Ref.
Ref. De type

Series: ALR, EPR, EPR-2, SGR
References: see annex 1

Additional information (if necessary may also be
reported on page 2)
Informations complémentaires (si nécessaire, peuvent
être indiquées sur la 2ème page)

See annex 1
Supersedes the CB n° 642428 dated 2013-06-04 (addition of a
series EPR-2)

A sample of the product was tested and found
to be in conformity with
Un échantillon de ce produit a été essayé et a été
considéré conforme à la

PUBLICATION	EDITION
IEC 61008-1:2010(ed.3) +A1:2012	
IEC 61008-2-1:1990(ed.1)	

As shown in the Test Report Ref. No. which forms part
of this Certificate
Comme indiqué dans le Rapport d'essais numéro de
référence qui constitue partie de ce Certificat

B120048-00 to B120048-18, B120048-00 Amendment No1, B120048-019 to
B120048-20

This CB Test Certificate is issued by the National Certification Body
Ce Certificat d'essai OC est établi par l'Organisme **National de Certification**



Laboratoire Central des Industries Électriques

33, av du Général Leclerc – BP 8
FR 92266 Fontenay-aux-Roses cedex
www.lcie.fr

Date:

2016-01-14

Signature:

Jean-François BRUEL
Certification Officer



Annex 1

References number code system BBBSCYYZZ

BBB= type of enclosure
SGR= SGR type of enclosure
ALR= ALR type of enclosure
EPR= EPR type of enclosure
EPR2= EPR-2 type of enclosure

S= Number of pole
2=1P+N
4=3P+N

CC=Current rating
16 =16A
20 =20A
25 =25A
32 =32A
40 =40A
50 =50A
63=63A
80=80A

YYY= Rated residual operating current(I_{Δn})
10=10mA
30=30mA
100=100mA
300=300mA

ZZ= Type of RCCB
A= Type A
AC=Type AC

(Example for a reference series SGR, 1P+N, 16A, 30mA, type AC – SGR21630AC)

CHARACTERISTICS OF APPLIANCE

Independent of line voltage :	yes
Dependent of line voltage :	no
Rated voltage U _e : (V)	240V for 1P+N, 415V for 3P+N
Rated current I _n : (A)	16, 20, 25, 32, 40, 50, 63, 80
Rated frequency : (Hz)	50/60
Rated residual operating current I _{Δn} : (A)	Type AC and Type A (30mA;100mA;300mA) for 16A to 80A Type AC and Type A (10mA) only for 16A; 20A; 25A
Type :	A and AC
Temporisation :	without
Nature of supply :	AC
Total number of poles :	1P+N, 3P+N (neutral on right)
Rated insulation voltage U _i : (V)	415
Rated impulse withstand voltage U _{imp} : (V)	4000
Utilisation range temperature : (°C)	-25°C to +40°C
Rated making and breaking capacity I _m : (A)	500A for I _n :16A to 50A
Rated residual making and breaking capacity I _{Δm} : (A)	630A for I _n :63A 800A for I _n :80A
Rated conditional short-circuit current I _{nc} : (A)	10000
Rated conditional residual short-circuit current I _{Δc} : (A)	10000
Short-circuit protection devices	SCPDs used : SILVER WIRE
Grid distance (short-circuit tests) :	45mm
Protection against external influences :	Enclosed
Protection degree :	IP20
Material group:	Group IIIa
Method of mounting :	Panel board - on rail
Method of electrical connection :	
not associated with the mechanical-mounting	yes
Type of terminals :	Pillar terminal
Nominal diameter of thread : (mm)	5,9
Operating means	lever

Additional Information (if necessary)
Informations complémentaires (si nécessaire)



Laboratoire Central des Industries Électriques
33,av du Général Leclerc – BP 8
FR 92266 Fontenay-aux-Roses cedex
www.lcie.fr

Date:

2016-01-14

Signature:

Jean-François BRUEL
Certification Officer

