






Test Report issued under the responsibility of:



TEST REPORT IEC 60335-2-15 Safety of household and similar electrical appliances Part 2: Particular requirements for appliances for heating liquids	
Report Number	352440
Date of issue	2017 Dec 08, Amendment No.2: 2018 May 07
Total number of pages	25 pages
Name of Testing Laboratory preparing the Report	Nemko Shanghai Ltd. Shenzhen Branch
Applicant's name	New Nanfang Electrical Appliance Co., Ltd.
Address	No.18, Shuanggang Road, Chikan District, Zhanjiang, Guangdong, China
Test specification:	
Standard	IEC 60335-2-15:2012, AMD1:2016 for use in conjunction with IEC 60335-1:2010, AMD1:2013, AMD2:2016
Test procedure	CB Scheme
Non-standard test method	N/A
Test Report Form No.	IEC60335_2_15O
Test Report Form(s) Originator	IMQ S.p.A.
Master TRF	Dated 2017-09
<p>Copyright © 2017 IEC System of Conformity Assessment Schemes for Electrotechnical Equipment and Components (IECEE System). All rights reserved.</p> <p>This publication may be reproduced in whole or in part for non-commercial purposes as long as the IECEE is acknowledged as copyright owner and source of the material. IECEE takes no responsibility for and will not assume liability for damages resulting from the reader's interpretation of the reproduced material due to its placement and context.</p> <p>If this Test Report Form is used by non-IECEE members, the IECEE/IEC logo and the reference to the CB Scheme procedure shall be removed.</p> <p>This report is not valid as a CB Test Report unless signed by an approved CB Testing Laboratory and appended to a CB Test Certificate issued by an NCB in accordance with IECEE 02.</p>	
General disclaimer:	
<p>The test results presented in this report relate only to the object tested.</p> <p>This report shall not be reproduced, except in full, without the written approval of the Issuing CB Testing Laboratory. The authenticity of this Test Report and its contents can be verified by contacting the NCB, responsible for this Test Report.</p>	

Test item description :	Rice cooker	
Trade Mark :		
Manufacturer	New Nanfang Electrical Appliance Co., Ltd. No.18, Shuanggang Road, Chikan District, Zhanjiang, Guangdong, China	
Model/Type reference :	RCXXXXX, see page 6-7 for models and variant explanation	
Ratings :	200W, 300W, 350W, 400W, 500W, 700W, 900W or 1000W 220- 240V~ 50-60Hz Cl. I	
Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):		
<input checked="" type="checkbox"/>	CB Testing Laboratory:	Nemko Shanghai Ltd. Shenzhen Branch
Testing location/ address :	Unit CD, Floor 2 & Floor 10, Tower 2, Kefa Road 8#, Hi- Technology Park, Nanshan District, Shenzhen, Guangdong, China	
Tested by (name, function, signature) :	Castle Zeng (Project handler)	
Approved by (name, function, signature) ... :	Zoe Chan (Verificator)	
<input type="checkbox"/>	Testing procedure: CTF Stage 1:	
Testing location/ address :		
Tested by (name, function, signature) :		
Approved by (name, function, signature) ... :		
<input type="checkbox"/>	Testing procedure: CTF Stage 2:	
Testing location/ address :		
Tested by (name, function, signature) :		
Witnessed by (name, function, signature) . :		
Approved by (name, function, signature) ... :		
<input type="checkbox"/>	Testing procedure: CTF Stage 3:	
<input type="checkbox"/>	Testing procedure: CTF Stage 4:	
Testing location/ address :		
Tested by (name, function, signature) :		
Witnessed by (name, function, signature) . :		
Approved by (name, function, signature) ... :		
Supervised by (name, function, signature) :		

List of Attachments (including a total number of pages in each attachment):

N/A

Summary of testing:

This limited report shall be used together with main report 342510 dated 2017-12-08 and limited report 348265 dated 2018-02-05. Update concern refer to project history.

Tests performed (name of test and test clause):

See table of project history for name of test and test clause.

The tested samples are complying with the relevant product standard(s):

Safety standards:

IEC 60335-2-15:2012, A1:2016 for use in conjunction with IEC 60335-1:2010, A1:2013+A2:2016

EN 60335-2-15:2016 used in conjunction with EN 60335-1:2012 + AC:2014 + A11:2014

EMF standards

EN 62233:2008

Testing location:

Nemko Shanghai Ltd. Shenzhen Branch
Unit CD, Floor 2 & Floor 10, Tower 2, Kefa Road 8#, Hi-Technology Park, Nanshan District, Shenzhen, Guangdong, China

Summary of compliance with National Differences (List of countries addressed):

Refer to main report 342510

Copy of marking plate:

The artwork below may be only a draft. The use of certification marks on a product must be authorized by the respective NCBs that own these marks.



All other models' label is the same as the above one except for the model name, rated capacity and rated power input.

Test item particulars: Classification of installation and use : Portable appliance, unattended use Supply Connection : Supply cord with plug, Appliance coupler Or type Y attachment. :	
Possible test case verdicts: - test case does not apply to the test object : N/A - test object does meet the requirement : P(Pass) - test object does not meet the requirement : F(Fail)	
Testing: Date of receipt of test item : 2018-04-16 Date (s) of performance of tests : 2018-04-16 to 2018-04-25	
General remarks: "(See Enclosure #)" refers to additional information appended to the report. "(See appended table)" refers to a table appended to the report. Throughout this report a <input type="checkbox"/> comma / <input checked="" type="checkbox"/> point is used as the decimal separator.	
Manufacturer's Declaration per Sub-clause 4.2.5 of IEC60335-1:	
The application for obtaining a CB Test Certificate includes more than one factory location and a declaration from the Manufacturer stating that the sample(s) submitted for evaluation is (are) representative of the products from each factory has been provided.....:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> Not applicable
When differences exist; they shall be identified in the General product information section.	
Name and address of factory (ies) : New Nanfang Electrical Appliance Co., Ltd. No.18, Shuanggang Road, Chikan District, Zhanjiang, Guangdong, China	

General product information:

This report covers a variant RCD-YY.

These models are rice cookers with cooking and warming function. There are two supply connections as optional, one is type Y attachment, and one is appliance coupler.

Main model: RCXXXXX.

The XXXXX can be W-2, -2, -2A, -2B, -2C, -2D, -2E, -2F, -2M, -2AM, -2BM, -2CM, -2DM, -2EM, -2FM, -3, -3A, -3B, -3C, -3D, -3E, -3F, -3M, -3AM, -3BM, -3CM, -3DM, -3EM, -3FM, -4, -4A, -4B, -4C, -4D, -4E, -4F, -4M, -4AM, -4BM, -4CM, -4DM, -4EM, -4FM, -5, -5A, -5B, -5C, -5D, -5E, -5F, -5M, -5AM, -5BM, -5CM, -5DM, -5EM, -5FM, -5GM, -8, -8A, -8B, -8C, -8D, -8E, -8F, -8M, -8AM, -8BM, -8CM, -8DM, -8EM, -8FM, -10, -10A, -10B, -10C, -10D, -10E, -10F, -10M, -10AM, -10BM, -10CM, -10DM, -10EM, -10FM, -10GM, -15, -15A, -15B, -15C, -15D, -15E, -15F, -15M, -15AM, -15BM, -15CM, -15DM, -15EM, -15FM, -16, -16A, -16B, -16C, -16D, -16E, -16F, -16M, -16AM, -16BM, -16CM, -16DM, -16EM, -16FM.

Rating: 200W, 300W, 350W, 400W, 500W, 700W, 900W or 1000W 220-240V~ 50-60Hz

Variant 1: RCD-YY.

The YY can be 8 or 10.

Rating: 500 or 700W 220-240V~ 50-60Hz

Variant 2: DRC-5, it is identical to RC-5M except the enclosure material is plastic and colour can be white, black or red for alternative, it can be with or without steamer for optional.

Rating: 400W 220-240V~ 50-60Hz

All models are same except the capacity, size, power rating. Model with M represent for the appliance has micro switch as part of temperature limiter.

Model differences:

Model	Micro switch	Power rating	Rated capacity	Control
RC-2, RC-2A, RC-2B, RC-2C, RC-2D, RC-2E, RC-2F	No	200W	0.4L	Mechanical
RCW-2, RC-2M, RC-2AM, RC-2BM, RC-2CM, RC-2DM, RC-2EM, RC-2FM	Yes			
RC-3, RC-3A, RC-3B, RC-3C, RC-3D, RC-3E, RC-3F	No	300W	0.6L	
RC-3M, RC-3AM, RC-3BM, RC-3CM, RC-3DM, RC-3EM, RC-3FM	Yes			
RC-4, RC-4A, RC-4B, RC-4C, RC-4D, RC-4E, RC-4F	No	350W	0.8L	
RC-4M, RC-4AM, RC-4BM, RC-4CM, RC-4DM, RC-4EM, RC-4FM	Yes			
RC-5, RC-5A, RC-5B, RC-5C, RC-5D, RC-5E, RC-5F	No	400W	1.0L	
RC-5M, DRC-5, RC-5AM, RC-5BM, RC-5CM, RC-5DM, RC-5EM, RC-5FM, RC-5GM	Yes			
RC-8, RC-8A, RC-8B, RC-8C, RC-8D, RC-8E, RC-8F	No	500W	1.5L	
RC-8M, RC-8AM, RC-8BM, RC-8CM, RC-8DM, RC-8EM, RC-8FM	Yes			
RC-10, RC-10A, RC-10B, RC-10C, RC-10D, RC-10E, RC-10F	No	700W	1.8L	
RC-10M, RC-10AM, RC-10BM, RC-10CM, RC-10DM, RC-10EM, RC-10FM, RC-10GM	Yes			
RC-15, RC-15A, RC-15B, RC-15C, RC-15D, RC-15E, RC-15F	No	900W	2.5L	
RC-15M, RC-15AM, RC-15BM, RC-15CM, RC-15DM, RC-15EM, RC-15FM	Yes			

Model	Micro switch	Power rating	Rated capacity	Control
RC-16, RC-16A RC-16B, RC-16C, RC-16D, RC-16E, RC-16F	No	1000W	2.8L	Mechanical
RC-16M, RC-16AM, RC-16BM, RC-16CM, RC-16DM, RC-16EM, RC-16FM	Yes			
RCD-8	No	500W	1.5L	Electronic
RCD-10	No	700W	1.8L	

Project history:

Nemko Report/ Order No.:	Modification to the appliances:	Changes / Modifications in clause(s):
342510	Original test report	---
348265	Amendment No. 1: 1. Add alternative Plug,Appliance inlet and Non self-reset thermal cut-out	Cl. 24
352440	Amendment No. 2: 2. Add alternative Plug,supply cord and Micro switch	Cl. 24

Marking label, instruction manual, packing text:

Instructions and marking shall be in a language acceptable for the country where the equipment is to be used.

Mains plug:

If the equipment shall be used with a special mains plug which is not listed in the component list (e.g. United Kingdom), samples of the modified product must be subject to a test according to the relevant clauses of the product standard.

Other product properties:

Depending on the country where the equipment is to be used, national deviations may be considered. Samples of the modified product may be tested again according to relevant clauses of the product standard, modified by national deviations.

IEC 60335-2-15			
Clause	Requirement + Test	Result - Remark	Verdict

24	COMPONENTS		--
24.1	Components comply with safety requirements in relevant IEC standards		P
	List of components..... :	(see appended table)	P
	Motors not required to comply with IEC 60034-1, they are tested as part of the appliance		N/A
	Relays tested as part of the appliance, or		N/A
	alternatively according to IEC 60730-1, and meeting the additional requirements in IEC 60335-1		N/A
	The requirements of Clause 29 apply between live parts of components and accessible parts of the appliance		P
	Components can comply with the requirements for clearances and creepage distances for functional insulation in the relevant component standard		P
	30.2 of this standard apply to parts of non-metallic material in components including parts of non-metallic material supporting current-carrying connections		P
	Components that have not been previously tested to comply with the IEC standard for the relevant component are tested according to the requirements of 30.2		P
	Components that have been previously tested to comply with the resistance to fire requirements in the IEC standard for the relevant component need not be retested provided the specified conditions are met		N/A
	If these conditions are not satisfied, the component is tested as part of the appliance		P
	Power electronic converter circuits not required to comply with IEC 62477-1, they are tested as part of the appliance		N/A
	If components have not been tested and found to comply with relevant IEC standard for the number of cycles specified, they are tested in accordance with 24.1.1 to 24.1.9		N/A
	For components mentioned in 24.1.1 to 24.1.9 no additional tests specified in the relevant component standard are necessary other than those specified in 24.1.1 to 24.1.9		P

IEC 60335-2-15			
Clause	Requirement + Test	Result - Remark	Verdict
	Components not tested and found to comply with relevant IEC standard and components not marked or not used in accordance with its marking, tested under the conditions occurring in the appliance		P
	Lamp holders and starter holders that have not being tested and found to comply with the relevant IEC standard, tested as a part of the appliance and additionally according to the gauging and interchangeability requirements of the relevant IEC standard		N/A
	No additional tests specified for nationally standardized plugs such as those detailed in IEC/TR 60083 or connectors complying with the standard sheets of IEC 60320-1 and IEC 60309		P
24.1.1	Capacitors likely to be permanently subjected to the supply voltage and used for radio interference suppression or for voltage dividing, comply with IEC 60384-14		P
	If the capacitors have to be tested, they are tested according to Annex F		N/A
24.1.2	Transformers in associated switch mode power supplies comply with Annex BB of IEC 61558-2-16		N/A
	Safety isolating transformers comply with IEC 61558-2-6		N/A
	If they have to be tested, they are tested according to Annex G		N/A
24.1.3	Switches comply with IEC 61058-1, the number of cycles of operation being at least 10 000		P
	If they have to be tested, they are tested according to Annex H		N/A
	If the switch operates a relay or contactor, the complete switching system is subjected to the test		N/A
	If the switch only operates a motor starting relay complying with IEC 60730-2-10 with the number of cycles of a least 10 000 as specified, the complete switching system need not be tested		N/A
	Switches incorporated in espresso coffee-makers for initiating brewing or steaming tested for 10 000 cycles (IEC 60335-2-15)		N/A
	Switches incorporated in dynamic pressure cookers for controlling heaters are subjected to 50 000 cycles of operation and are tested under the conditions of Clause 11 with the appliance supplied at rated voltage (IEC 60335-2-15)		N/A
24.1.4	Automatic controls comply with IEC 60730-1 with the relevant part 2. The number of cycles of operation being at least:		--

IEC 60335-2-15			
Clause	Requirement + Test	Result - Remark	Verdict
	- thermostats:	10 000	N/A
	- temperature limiters:	1000	P
	- self-resetting thermal cut-outs:	300	N/A
	- voltage maintained non-self-resetting thermal cut-outs:	1000	P
	- other non-self-resetting thermal cut-outs:	30	N/A
	- timers:	3000	N/A
	- energy regulators:	10 000	N/A
	The number of cycles for controls operating during Clause 11 need not be declared, if the appliance meets the requirements of this standard when they are short-circuited		N/A
	Thermal motor protectors are tested in combination with their motor under the conditions specified in Annex D		N/A
	For water valves containing live parts and that are incorporated in external hoses for connection of an appliance to the water mains, the degree of protection declared for Sub-clause 6.5.2 of IEC 60730-2-8 is IPX7		N/A
	Thermal cut-outs of the capillary type comply with the requirements for type 2.K controls in IEC 60730-2-9		N/A
	Self-resetting thermal cut-outs required for compliance with the test of 19.101 are subjected to 3000 cycles of operation (IEC 60335-2-15)		N/A
24.1.5	Appliance couplers comply with IEC 60320-1		P
	However, for class II appliances classified higher than IPX0, the appliance couplers comply with IEC 60320-2-3		N/A
	Interconnection couplers comply with IEC 60320-2-2		N/A
	Appliance couplers incorporating thermostats, thermal cut-outs or fuses in the connectors comply with IEC 60320-1, except that: (IEC 60335-2-15)		N/A
	- the earthing contact of connector is allowed to be accessible, if contact is not likely to be gripped during insertion or withdrawal of the connector;		N/A
	- the temperature required for the test of Clause 18 is that measured on the pins of the appliance inlet during test of Clause 11 of this standard;		N/A
	- the breaking-capacity test of Clause 19 carried out using the inlet of the appliance;		N/A

IEC 60335-2-15			
Clause	Requirement + Test	Result - Remark	Verdict
	- the temperature rise of current-carrying parts specified in Clause 21 not determined		N/A
	Thermal controls are not allowed in connectors complying with the standard sheets of IEC 60320-1 (IEC 60335-2-15)		N/A
24.1.6	Small lampholders similar to E10 lampholders comply with IEC 60238, the requirements for E10 lampholders being applicable		N/A
24.1.7	For remote operation of the appliance via a telecommunication network, the relevant standard for the telecommunication interface circuitry in the appliance is IEC 62151		N/A
24.1.8	The relevant standard for thermal links is IEC 60691		P
	Thermal links not complying with IEC 60691 are considered to be an intentionally weak part for the purposes of Clause 19		N/A
24.1.9	Contactors and relays, other than motor starting relays, tested as part of the appliance		N/A
	They are also tested in accordance with Clause 17 of IEC 60730-1, the number of cycles of operations in 24.1.4 selected according to the contactor or relay function in the appliance		N/A
24.2	Appliances not fitted with:		--
	- switches, automatic controls or power supplies in flexible cords		P
	- devices causing the protective device in the fixed wiring to operate in the event of a fault in the appliance;		P
	- thermal cut-outs that can be reset by soldering, unless		P
	the solder has a melting point of at least 230 °C		N/A
24.3	Switches intended for all-pole disconnection of stationary appliances are directly connected to the supply terminals and have a contact separation in all poles, providing full disconnection under overvoltage category III conditions		N/A
24.4	Plugs and socket-outlets for extra-low voltage circuits and heating elements, not interchangeable with plugs and socket-outlets listed in IEC/TR 60083 or IEC 60906-1 or with connectors and appliance inlets complying with the standard sheets of IEC 60320-1		N/A

IEC 60335-2-15			
Clause	Requirement + Test	Result - Remark	Verdict
	Not applicable to the connection between the appliance and the stand of cordless appliances (IEC 60335-2-15)		N/A
24.5	Capacitors in auxiliary windings of motors marked with their rated voltage and capacitance, and used accordingly		N/A
	Voltage across capacitors in series with a motor winding does not exceed 1,1 times rated voltage, when the appliance is supplied at 1,1 times rated voltage under minimum load		N/A
24.6	Working voltage of motors connected to the supply mains and having basic insulation that is inadequate for the rated voltage of the appliance, not exceeding 42 V		N/A
	In addition, the motors comply with the requirements of Annex I		N/A
24.7	Detachable hose-sets for connection of appliances to the water mains comply with IEC 61770		N/A
	They are supplied with the appliance		N/A
	Appliances intended to be permanently connected to the water mains not connected by a detachable hose-set		N/A
24.8	Motor running capacitors in appliances for which 30.2.3 is applicable and that are permanently connected in series with a motor winding, not causing a hazard in event of a failure		N/A
	One or more of the following conditions are to be met:		--
	- the capacitors are of class S2 or S3 according to IEC 60252-1;		N/A
	- the capacitors are housed within a metallic or ceramic enclosure;		N/A
	- the distance of separation of the outer surface to adjacent non-metallic parts exceeds 50 mm;		N/A
	- adjacent non-metallic parts within 50 mm withstand the needle-flame test of Annex E;		N/A
	- adjacent non-metallic parts within 50 mm classified as at least V-1 according to IEC 60695-11-10		N/A
24.101	Devices incorporated in appliance, other than kettles, in order to comply with 19.4 are non-self-resetting (IEC 60335-2-15)		P
	However, self-resetting thermal cut-outs are allowed for fixed water boilers, if they have been tested for 10 000 cycles of operation		N/A

IEC 60335-2-15			
Clause	Requirement + Test	Result - Remark	Verdict
	Compliance is checked by inspection and during the test of 19.4		P

24.1	TABLE: Critical components information					P
Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾	
Plug	Zhongshan Guzhen Hongli, Cable & Appliance Factory	HL-5	16A, 250VAC	IEC 60884-1 DIN EN 0620-1	VDE (131607)	
Alt.	Zhanjiang Anjia Electronics Industry Co., Ltd	AJ-05	16A, 250VAC	IEC 60884-1 DIN EN 0620-1	VDE (40022027)	
Alt.	Unirise Electric Wire & Cable Co., Ltd.	UE-312	16A, 250VAC	IEC 60884-1 DIN EN 0620-1	VDE (40013356)	
Alt.	Zhanjiang Yexing Electrical appliance Co., Ltd	YX301	16A, 250VAC	IEC 60884-1 DIN EN 0620-1	VDE (40027107)	
Alt.	Shanghai Dinatong Wire Co., Ltd	DNT-13	250V~ 16A	DIN VDE 0620-1 IEC 60884-1	VDE (40024353)	
Alt.	Interchangeable	Interchangeable	16A, 250VAC	IEC 60884-1 CEE 7	Any authorized body	
Plug for UK	Yongkang Kangda Electric Appliance Co., Ltd	KD-168	13A, 250VAC With 5A, 10A or 13A fuse.	BS 1363-1	BSI (KM71081)	
Alt.	Junda Industrial Co., Ltd.	8811 8821	13A, 250VAC With 5A, 10A or 13A fuse.	BS 1363-1	Intertek ASTA (1167)	
Alt.	Dongguan Ubill Electrical Co., Ltd.	UBL 8008 AP-411A	13A, 250VAC With 5A, 10A or 13A fuse.	BS 1363-1	Intertek ASTA (1183)	
Alt.	Friendship Enterprises Int Ltd	FE-130P	13A, 250VAC With 5A, 10A or 13A fuse.	BS 1363-1	BSI (KM99612)	
Alt.	Kenic Electric Mfg Co Ltd	KE-88	13A, 250VAC With 5A, 10A or 13A fuse.	BS 1363-1	BSI (KM54019)	

IEC 60335-2-15					
Clause	Requirement + Test		Result - Remark		Verdict
Alt.	Friendship Enterprises Int Ltd	FE-129P	13A, 250VAC With 5A,10A or 13A fuse.	BS 1363-1	ASTA (1293)
Alt.	Zhanjiang Anjia Electronics Industry Co.,Ltd	AJ-601	13A, 250VAC With 5A, 10A or 13A fuse.	BS 1363-1	ASTA (1306)
Alt.	Shanghai Dinatong Wire Co., Ltd	DNT-62	250V~, 13A with 5A, 10A or 13A fuse	BS 1363-1	Intertek ASTA (968)
Alt.	Interchangeable	Interchangeable	13A, 250VAC With 5A, 10A or 13A fuse.	BS 1363-1	Any authorized body
Plug for Malaysia	Guangzhou Towell Electrical Appliance Co.,Ltd	808	13A, 250VAC	MS 589	SIRIM QAS (PP072403)
Alt.	PSE GLOBAL PTE LTD.	8811 or 8812	250V~, 13A	MS 589	SIRIM QAS (PC000383)
Alt.	Interchangeable	Interchangeable	250V~, 13A	MS 589	SIRIM QAS
Plug for Saudi Arabia	Junda Industrial Co., Ltd	8811 or 8821	250V~, 13A	SASO 2203:2003+ SASO: 443:2003	SASO: HK1207146 5-4
Alt.	Interchangeable	Interchangeable	250V~, 13A	SASO 2203:2003+ SASO: 443:2003	SASO
Plug for Singapore	PSE Electrical Manufacturing Pte Ltd	8811 or 8821	250V~, 13A	SS 145-1:2010	Intertek 130059-12
Alt.	Interchangeable	Interchangeable	250V~, 13A	SS 145-1:2010	Intertek
Plug for Australia	Friendship Enterprise International Ltd	FE-104P FE-105P FE-105P-A	250V~ 10A	AS/NZS3112:2004+ A1	Fair Trading NSW24571
Alt.	Zhanjiang Anjia Electronics Industry Co.,Ltd.	AJ-08	250V~ 10A	AS/NZS3112:2004+ A1	Fair Trading NSW23515
Alt.	ANHUI DINATONG WIRE CO., LTD	DNT-42A	250V~ 10A	AS/NZS3112:2011+ A1	QueenslandESO170523

IEC 60335-2-15					
Clause	Requirement + Test			Result - Remark	Verdict
Alt.	Interchangeable	Interchangeable	250V~ 10A	AS/NZS3112:2004+A1	Fair Trading
Plug for Korea	ANHUI DINATONG WIRE CO., LTD	DNT-13	250V~ 16A	KC60884-1	KC SU04195-16001A
Alt.	Ningbo Friendship Electronics Co., Ltd	FE-114P	250V~ 16A	KC60884-1	KC SU04038-4001B
Supply cord (for model RC-2 series, RCW-2, RC-3 series, RC-4 series, RC-5 series, RC-8 series, RCD-8, DRC-5)	Zhanjiang Anjia Electronis Industry Co.,Ltd	H03VV-F H05VV-F	3G0,5mm ² (length < 2m) 3G0,75mm ²	IEC 60227 EN 50525	VDE (40017611)
Alt.	Zhongshan Aoli Electric Co., Ltd	H03VV-F H05VV-F	3G0,5mm ² (length < 2m) 3G0,75mm ²	IEC 60227 EN 50525	VDE (40014115)
Alt.	Zhanjiang Yexing Electrical appliance Co., ltd	H03VV-F H05VV-F	3G0,5mm ² (length < 2m) 3G0,75mm ²	IEC 60227 EN 50525	VDE (40021360)
Alt.	Ningbo Light heavy Electronic Technology Co., Ltd	H03VV-F H05VV-F	3G0,5mm ² (length < 2m) 3G0,75mm ²	IEC 60227 EN 50525	VDE (40007592)
Alt.	Kenic Electric Mfg Co Ltd	H03VV-F H05VV-F	3G0,5mm ² (length < 2m) 3G0,75mm ²	IEC 60227 EN 50525	VDE (103853)
Alt.	Anhui Dinatong Wire Co., Ltd.,	H03VV-F H05VV-F	3G0.5mm² (length < 2m) 3G0.75mm²	IEC 60277 EN 50525	VDE (40021216)
Alt.	Interchangeable	H03VV-F H05VV-F	3G0,5mm ² (length < 2m) 3G0,75mm ²	IEC 60227 EN 50525	Any authorized body
Supply cord for Australia (for model RC-2, RCW-2, series,	Zhanjiang Anjia Electronis Industry	H03VV-F H05VV-F	3G0,5mm ² (length < 2m) 3G0,75mm ²	AS/NZS 3191	Fair Trading (NSW22933)

IEC 60335-2-15					
Clause	Requirement + Test	Result - Remark		Verdict	
RC-3 series, RC-4 series, RC-5 series, RC-8 series, RCD-8, DRC-5)	Co.,Ltd				
Alt.	Friendship Enterprise International Ltd	H03VV-F H05VV-F	3G0,5mm ² (length < 2m) 3G0,75mm ²	AS/NZS 3191	Fair trading NSW22964
Alt.	ANHUI DINATONG WIRE CO., LTD	H03VV-F H05VV-F	3G0.5mm² (length < 2m) 3G0.75mm²	AS/NZS60227.5	Queenslan dESV17028 9
Alt.	Interchangeabl e	H03VV-F H05VV-F	3G0,5mm ² (length < 2m) 3G0,75mm ²	AS/NZS 3191	Any authorized body
Supply cord (for model RC-10 series, RC- 15 series, RC-16 series, RCD- 10)	Zhanjiang Anjia Electronis Industry Co.,Ltd	H05VV-F	3G0,75mm ² (length < 2m)	IEC 60227 EN 50525	VDE (40017611)
Alt.	Zhongshan Aoli Electric Co., Ltd	H05VV-F	3G0,75mm ² (length < 2m)	IEC 60227 EN 50525	VDE (40014115)
Alt.	Zhanjiang Yexing Electrical appliance Co., ltd	H05VV-F	3G0,75mm ² (length < 2m)	IEC 60227 EN 50525	VDE (40021360)
Alt.	Ningbo Light heavy Electronic Technology Co., Ltd	H05VV-F	3G0,75mm ² (length < 2m)	IEC 60227 EN 50525	VDE (40007592)
Alt.	Kenic Electric Mfg Co Ltd	H05VV-F	3G0.75mm ²	IEC 60227 EN 50525	VDE (103853)
Alt.	Anhui Dinatong Wire Co., Ltd	H05VV-F	3G0.75mm²	IEC 60277 EN 50525	VDE (40021216)
Alt.	Interchangeabl e	H05VV-F	3G0,75mm ² (length < 2m)	IEC 60227 EN 50525	Any authorized body

IEC 60335-2-15					
Clause	Requirement + Test			Result - Remark	Verdict
Supply cord for Australia (for model RC-10 series, RC-15 series, RC-16 series, RCD-10)	Zhanjiang Anjia Electronics Industry Co.,Ltd	H05VV-F	3G0.75mm ²	AS/NZS 3191	Fair trading NSW22933
Alt.	Friendship Enterprise International Ltd	H05VV-F	3G0.75mm ²	AS/NZS 3191	Fair trading NSW22964
Alt.	ANHUI DINATONG WIRE CO., LTD	H05VV-F	3 x 0,75 mm²	AS/NZS60227.5	QueenslandESV170289
Alt.	Interchangeable	H05VV-F	3G0.75mm ²	AS/NZS 3191	Any authorized body
Supply cord for Korea	Ningbo Friendship Electronics Co., Ltd	H05VV-F	3 x 0,75 mm ²	KC60884-1	KC SU01025-4001
Alt.	Interchangeable	H05VV-F	3 x 0,75 mm ²	KC60884-1	KC
Appliance inlet	Pronic Electronic (Shenzhen) Co., Ltd.	PST-101	250V, 10A Tmax: 70°C	IEC 60320-1 EN 60320-1	VDE (40014579)
Alt.	Steady Electronics	2107	250V, 10A	IEC 60320-1 EN60320-1	VDE (40011923)
Alt.	Zhanjiang Anjia Electronics Industry Co., Ltd.	AJ-060	250V, 10A	IEC/EN60320-1	VDE 40040664
Alt.	Zhejiang LECI Electronics Co., Ltd	DB-14	250V, 10A	IEC/EN60320-1	VDE 40032137
Alt.	Dong Guan Shi Yuankai Plastic Co., Ltd	XHL-052A	250V, 10A	IEC/EN60320-1	TUV B170901899001
Connector	New Square Company Ltd.	NS-15	AC250V, 10A	IEC 60320-1 EN 60320-1	VDE/(118033)
Alt.	Zhanjiang Anjia Anjia	AJ-06	AC250V, 10A	IEC 60320-1 EN 60320-1	VDE/ (40034404)

IEC 60335-2-15					
Clause	Requirement + Test			Result - Remark	Verdict
	Electronics Industry Co., Ltd				
Alt.	Friendship Enterprises Int Ltd	FE-503A FE-503	250V, 13A	IEC/EN 60320-1	VDE 40030093
Alt.	Kenic Electric Mfg Co Ltd	KE-24	250V, 10A	IEC/EN 60320-1	VDE 40003450
Alt.	Interchangeable	Interchangeable	AC250V, 10A	IEC/EN 60320-1	VDE
Connector for Australia	Zhanjiang Anjia Electronics Industry Co.,Ltd.	AJ-012	AC250V, 10A	AS/NZS 60320.1	Fair Trading 23555
Alt.	Friendship Enterprise International Ltd	FE-503A FE-503	AC250V, 10A	AS/NZS 60320.1	Fair Trading 17435
Alt.	Shanghai Dinatong Wire Co., Ltd	DNT-07	250V, 10A	IEC/EN 60320-1	VDE 40038025
Alt.	Interchangeable	Interchangeable	AC250V, 10A	AS/NZS 60320.1	Fair Trading
Thermal link (Except DRC-5)	Aupo Electronics Ltd.	AF184X	184°C, AC250V, 16A	IEC 60691 EN 60691	VDE (40005418)
Alt.	Aupo Electronics Ltd.	BF184X	184°C, AC250V, 16A	IEC 60691 EN 60691	VDE (40005418)
Alt.	Dong Yang Electronics Co.,Ltd.	DF184S	184°C, AC 250V, 15A	IEC 60691 EN 60691	VDE (40017388)
Alt.	NEC Components Corporation	SF184E-1	184°C, AC 250V,15A	IEC 60691 EN 60691	VDE (40006568)
Alt.	NEC Components Corporation	SF184E	184°C, AC 250V,15A	IEC 60691 EN 60691	VDE (40006568)
Alt.	Therm-O-Disc Europe B.V.	G6x184	AC250V, 16A, 184°C	IEC 60691 EN 60691	VDE (40017228)
Alt.	Therm-O-Disc Europe B.V.	E6x184	AC250V, 16A, 184°C	IEC 60691 EN 60691	VDE (40017228)
Thermal link for DRC-5	Aupo Electronics Ltd.	AF157X	157°C, AC250V, 16A	IEC 60691 EN 60691	VDE (40005418)
Alt.	Aupo Electronics Ltd.	BF157X	157°C, AC250V, 16A	IEC 60691 EN 60691	VDE (40005418)

IEC 60335-2-15					
Clause	Requirement + Test			Result - Remark	Verdict
Temperature limiter for all models without suffix M	New Nanfang Electrical Appliance	R	AC250V, 10A Tf: 138°C	IEC 60335-2-15 EN 60335-2-15	Tested in appliance
Temperature limiter for all models with suffix M	New Nanfang Electrical Appliance	Y	AC250V, 10A Tf: 138°C	IEC 60335-2-15 EN 60335-2-15	Tested in appliance
Micro switch used as part of temperature limiter Y	Foshan Shunde Yushun Electric Appliance Ltd.	KW-16	250V, 16A, T125, 30000cycles	IEC/EN 61058	TUV R DE 2-014836
Alt.	Foshan Shunde Yushun Electric Appliance Ltd.	KW-16B	250V, 16A, T125, 30000cycles	IEC/EN 61058	TUV R DE 2-014836
Alt.	Foshan Shunde hushun Electric Appliance Ltd.	LXW-16-2-3	250V, 16A, T125, 30000cycles	IEC/EN 61058	TUV R 50156816
Alt.	Foshan Shunde Shuda Electric Appliance Co., Ltd.	KW-16	250V, 16A, T125, 30000cycles	IEC/EN 61058	TUV R 50359264
Internal wire Except for RC-2 series, RC-3 series, RC-4 series and RC-5 series, DRC-5 (Earthing, L, N, wire)	Nizing Electric Co.,ltd	3122	18AWG, 300V T200	IEC 60335-2-15 EN 60335-2-15	Tested in appliance / UL (E215834)
Alt.	ZHANJIANG ANJIA ELECTRONIC S INDUSTRY CO LTD	3122	18AWG, 300V T200	IEC 60335-2-15 EN 60335-2-15	Tested in appliance/ UL (E350598)
Alt.	ZHONGSHAN SEN TE WIRE & CABLE COLTD	3122	18AWG, 300V T200	IEC 60335-2-15 EN 60335-2-15	Tested in appliance/ UL (E315793)
Internal wire	Nizing Electric	3122	20AWG, 300V	IEC 60335-2-15	Tested in

IEC 60335-2-15					
Clause	Requirement + Test			Result - Remark	Verdict
Only for RC-2 series, RCW-2, RC-3 series, RC-4 series, DRC-5 and RC-5 series (Earthing, L, N, wire)	Co.,ltd		T200	EN 60335-2-15	appliance / UL (E215834)
Alt.	ZHANJIANG ANJIA ELECTRONIC S INDUSTRY CO LTD	3122	20AWG, 300V T200	IEC 60335-2-15 EN 60335-2-15	Tested in appliance/ UL (E350598)
Alt.	ZHONGSHAN SEN TE WIRE & CABLE COLTD	3122	20AWG, 300V T200	IEC 60335-2-15 EN 60335-2-15	Tested in appliance/ UL (E315793)
Internal wire (connecting indicator)	Nizing Electric Co.,ltd	3122	20AWG, 24AWG, 300V T200	IEC 60335-2-15 EN 60335-2-15	Tested in appliance / UL (E215834)
Alt.	ZHANJIANG ANJIA ELECTRONIC S INDUSTRY CO LTD	3122	20AWG or 24AWG, 300V T200	IEC 60335-2-15 EN 60335-2-15	Tested in appliance/ UL (E350598)
Alt.	ZHONGSHAN SEN TE WIRE & CABLE COLTD	3122	20AWG or 24AWG, 300V T200	IEC 60335-2-15 EN 60335-2-15	Tested in appliance/ UL (E315793)
Glass-fibre bushing	Shenzhen WahChangWei Industries	SGS-15	VW-1, 600V T200	IEC 60335-2-15 EN 60335-2-15	Tested in appliance/ UL (E233804)
Thermal link silicone sleeve	Shenzhen WahChangWei Industries	SRS-70*	T200, 600V	IEC 60335-2-15 EN 60335-2-15	Tested in appliance/ UL 233803
Insulation sheet used in the magnet switch	Kingboard Laminates (Macao Commercial Offshore	KB-3152	V-0, 130°C	IEC 60335-2-15 EN 60335-2-15	Tested in appliance/ UL E123995
PCB	Kingboard Laminates (Macao Commercial Offshore	KB-3152 KB-5150, KB-6160	V-0, 130°C	IEC 60335-2-15 EN 60335-2-15	Tested in appliance/ UL E123995

IEC 60335-2-15					
Clause	Requirement + Test			Result - Remark	Verdict
Alt.	SHANDONG JINBAO ELECTRONIC S CO LTD	ZD-95(G)F	V-0	IEC 60335-2-15 EN 60335-2-15	Tested in appliance/ ULE222366
Alt.	LAIZHOU PENGZHOU ELECTRONIC S CO LTD	PZ-23(G)F	V-0	IEC 60335-2-15 EN 60335-2-15	Tested in appliance/ ULE249104
Alt.	GUANGDONG CHENGDE ELECTRONIC TECHNOLOG Y CO LTD	1	V-0	IEC 60335-2-15 EN 60335-2-15	Tested in appliance/ UL E322995
Handle of body Control panel Indicator cover Control knob Handle of lid Bottom Enclosure plastic of DRC-5	Chi Mei Corporation	PA- 765A(+)	V-0, 85°C	IEC 60335-2-15 EN 60335-2-15	Tested in appliance/ UL E56070
Heating element (RC- 2 series, RCW-2)	New Nanfang Electrical Appliance	--	220-240V, 200W	IEC 60335-2-15 EN 60335-2-15	Tested in appliance
Heating element (RC- 3 series)	New Nanfang Electrical Appliance	--	220-240V, 300W	IEC 60335-2-15 EN 60335-2-15	Tested in appliance
Heating element (RC- 4 series)	New Nanfang Electrical Appliance	--	220-240V, 350W	IEC 60335-2-15 EN 60335-2-15	Tested in appliance
Heating element (RC- 5 series, DRC-5)	New Nanfang Electrical Appliance	--	220-240V, 400W	IEC 60335-2-15 EN 60335-2-15	Tested in appliance
Heating element (RC- 8 series, RCD-8)	New Nanfang Electrical Appliance	--	220-240V, 500W	IEC 60335-2-15 EN 60335-2-15	Tested in appliance
Heating element (RC- 10 series, RCD-10)	New Nanfang Electrical Appliance	--	220-240V, 700W	IEC 60335-2-15 EN 60335-2-15	Tested in appliance
Heating element (RC-	New Nanfang Electrical	--	220-240V, 900W	IEC 60335-2-15	Tested in appliance

IEC 60335-2-15					
Clause	Requirement + Test			Result - Remark	Verdict
15 series)	Appliance			EN 60335-2-15	
Heating element (RC-16 series)	New Nanfang Electrical Appliance	--	220-240V, 1000W	IEC 60335-2-15 EN 60335-2-15	Tested in appliance
Warming element	New Nanfang Electrical Appliance	--	220-240V, 35W	IEC 60335-2-15 EN 60335-2-15	Tested in appliance
Non-self-reset thermal cut-out (except DRC-5) (Optional) ²⁾	Zhongshan Longde Electrical Co., Ltd	KSD301 KSD302	250VAC, 50/60Hz, 10-15A, operation temperature:175°C	IEC 60730-2-9 EN 60730-2-9	TUV SUD B130567446 017
Alt.	FoshanShunde Xingtanzhongbao Thermostat Co., Ltd	KSD301	10A 250V~ operation temperature:175°C	IEC 60730-2-9 EN 60730-2-9	TUV Rh R50114187
Alt.	Guangdong Huatian Electric appliances Co., Ltd	KSD301T series	250VAC, 50/60Hz, 10/16A, operation temperature:175°C	IEC 60730-2-9 EN 60730-2-9	CB CN30852
Alt.	Foshan Kehua Electric appliance Co., Ltd	KSD301	250VAC 10A or 16A, operation temperature:175°C	IEC 60730-2-9 EN 60730-2-9	TUV RH R50209508
Non-self-reset thermal cut-out for DRC-5 (Optional) ²⁾	Zhongshan Longde Electrical Co., Ltd	KSD301 KSD302	250VAC, 50/60Hz, 10-15A, operation temperature:155°C	IEC 60730-2-9 EN 60730-2-9	TUV SUD B130567446 017
Alt.	FoshanShunde Xingtanzhongbao Thermostat Co., Ltd	KSD301	10A 250V~ operation temperature:155°C	IEC 60730-2-9 EN 60730-2-9	TUV Rh R50114187
Alt.	Guangdong Huatian Electric appliances Co., Ltd	KSD301T series	250VAC, 50/60Hz, 10/16A, operation temperature:155°C	IEC 60730-2-9 EN 60730-2-9	CB CN30852
Alt.	Foshan Kehua Electric appliance Co., Ltd	KSD301	250VAC 10A or 16A, operation temperature:155°C	IEC 60730-2-9 EN 60730-2-9	TUV RH R50209508
Power switch (except DRC-5, DCW-2)	Jackson Electronics Ind. Corp.	Series JS-606	250V, 6A, T85	IEC 61058 EN 61058	VDE 40030036

IEC 60335-2-15					
Clause	Requirement + Test			Result - Remark	Verdict
(Optional)3					
Alt.	NINGBO YINXIAN LIHE SWITCH FACTORY	RL3	250V, 6(2)A, T125	IEC 61058 EN 61058	Intertek ENEC SE/09127- 14
Alt.	NINGBO YINXIAN LIHE SWITCH FACTORY	RL3	250V, 6A, T85	IEC 61058 EN 61058	Intertek ENEC SE/09127- 14
Power switch for DRC- 5,DCW-2 (Optional)3	NINGBO YINXIAN LIHE SWITCH FACTORY	RL3	250V, 6(2)A, T125	IEC 61058 EN 61058	Intertek ENEC SE/09127- 14
Plastic of Cord bushing (Optional)	LG CHEM (TIANJIN) ENGINEERIN G PLASTICS CO LTD	LUPOL GP- 3156F(#)	PP, V-0	IEC 60335-2-15 EN 60335-2-15	Tested in appliance/ UL E302314
Cord bushing	Heavy Power Co., LtdC	4K-4	230V~	IEC 60335-2-15 EN 60335-2-15	Tested in appliance/ UL E107293
Varistor for model RCD-YY	THINKING ELECTRONIC INDUSTRIAL CO., LTD.	TVR 10471K	AC 1000V	IEC 60335-2-15/ EN60335-2-15/ IEC 61051	Tested in appliance / VDE005944
Alt.	Centra Science Corp.	CNR- 10D471K	AC 1000V	IEC 60335-2-15/ EN60335-2-15/ IEC 61051	Tested in appliance / VDE 40008220
X capacitor for model RCD-YY	Shunde Da Hua Electric Co., Ltd.	HD MKP series	275V~ 0,1uF T105	IEC/EN60384-14	VDE 40027182
Alt.	Shanghai Xiang RiYaElectronic Co., Ltd.	MKP X2	275V~ 0,1uF T100	IEC/EN60384-14	VDE 40001876
Internal wire for NTC sensor for model RCD- YY	FOSHAN CITY ZHENG GUAN FLUORPLASTI CS WIRE FACTORY	1332	24AWG, T200, 300V	IEC 60335-2-15 EN 60335-2-15	Tested in appliance/ UL E307535
Alt. internal wire for NTC sensor for model RCD- YY	HONG SHUN WIRE & CABLE FLUOROPLAS TICS	1332	24AWG 300V T200	IEC 60335-2-15 EN 60335-2-15	Tested in appliance/ UL E238396

IEC 60335-2-15					
Clause	Requirement + Test			Result - Remark	Verdict
YY	FACTORY				
Alt. internal wire for NTC sensor for model RCD-YY	QIFURUI ELECTRONIC S CO	1332	24AWG, T200, 300V	IEC 60335-2-15 EN 60335-2-15	Tested in appliance/ UL E211048
Alt. internal wire for NTC sensor for model RCD-YY	KELIN WIRE CO LTD (DONGGUAN)	1332	24AWG, T200, 300V	IEC 60335-2-15 EN 60335-2-15	Tested in appliance/ UL E250866
Alt. internal wire for NTC sensor for model RCD-YY	DONGGUAN WORLDFUL ELECTRIC WIRE CO LTD	1332	24AWG, T200, 300V	IEC 60335-2-15 EN 60335-2-15	Tested in appliance/ UL E317806
Alt. internal wire for NTC sensor for model RCD-YY	DONGGUAN BOLI ELECTRONIC CO LTD	1332	24AWG, T200, 300V	IEC 60335-2-15 EN 60335-2-15	Tested in appliance/ UL E305164
Connector on PCB for model RCD-YY	E I Dupont De Nemours & Co Inc	FR72G25V0	V-0	IEC 60335-2-15/ EN60335-2-15	Tested in appliance / UL E41938
Closed-end connector	HEAVY POWER CO LTD	CE2	Thickness: 1,0 mm	IEC 60335-2-15/ EN60335-2-15	Tested in appliance / UL E113650
NTC for model RCD-YY	Hefei Sensing Electronic Co., Ltd	MF58-104-3950	100K (T=25°C)	IEC 60335-2-15/ EN60335-2-15	Tested in appliance
Alt.	NANJING SHIHENG ELECTRONIC S CO LTD	MF58-502F3470	100K (T=25°C)	IEC 60335-2-15/ EN60335-2-15	Tested in appliance
Silicone sleeve for NTC for model RCD-YY	Shenzhen WahChangWei Industries	SRS-70*	600V T200	IEC 60335-2-15 EN 60335-2-15	Tested in appliance/ UL 233803
Y capacitor for model RCD-YY	SHANTOU HIGH-NEW TECHNOLOGY DEV. ZONE SONGTIAN ENTERPRISE CO., LTD.	CD SERIES	400V~ 1000pF T125	IEC/EN 60384-14	VDE 40025754

IEC 60335-2-15					
Clause	Requirement + Test			Result - Remark	Verdict
Bridge resistor for model RCD-YY (Weak part)	Shenzhen GuojuTechnology Co., Ltd	KNP	10Ω, 1W	IEC 60335-2-15/ EN60335-2-15	Tested in appliance
Transformer for model RCD-YY	GUANGDONG SHUNDE XINLIYUAN ELECTRONIC S CO.,LTD	XLY-EE13-1035	Input: 100-240V output: 12V Class 130(B)	IEC 60335-2-15/ EN60335-2-15	Tested in appliance
Bobbin of transformer	CHANG CHUN PLASTICS CO LTD	T375J	V-0, 150°C	IEC 60335-2-15/ EN60335-2-15	Tested in appliance / UL E59481
Relay for model RCD-YY	DONGGUAN SANYOU ELECTRICAL APPLIANCE CO., LTD.	SJ-S-112DM	250V~, 5A, Coil Voltage: DC12V 100000 Cycles, T85, Class 105 (A)	IEC 60335-2-15/ EN60335-2-15 EN 61810-1	Tested in appliance VDE 40002146
Alt.	Shaanxi Qunli Electric Co., Ltd	JZC-11F/012-1H1	250V~, 5A, Coil Voltage: DC12V 100000 Cycles, T85, Class 105 (A)	IEC 60335-2-15/ EN60335-2-15 EN 61810-1	Tested in appliance TUV Rh R50100487
Alt.	ANHUI MINGGUANG LIFE ELECTRONIC CO., LTD.	BJ-SS-112DM	250V~, 5A, Coil Voltage: DC12V 100000 Cycles, Class 105 (A)	IEC 60335-2-15/ EN60335-2-15 EN 61810-1	Tested in appliance TUV Rh R50183595
Supplementary information: 1) Provided evidence ensures the agreed level of compliance. See OD-CB2039. 2) It is a voltage maintained non self-reset thermal cut-out, it operates in clause 19.4. 3) It is optional for CB application.					

End of report