

C E R T I F I C A T E



of Conformity
Low Voltage Directive 2006/95/EC

Registration No.: AN 50230735 0001

Report No.: 15053021 001

Holder: Zhejiang Chint Electrics Co., Ltd.
No.1,
Chint Road, Chint Industrial Zone,
North Baixiang
Yueqing, Zhejiang Province 325603
P.R. China

Product: Switch
(Auxillary Contact)

Identification: Type Designation : NS2-AE11 NS2-AE20
Serial No. : Engineering samples

Remark: Issued in conjunction with TÜV Rheinland license
R 50233969 0001.

This certificate of conformity is based on an evaluation of a sample of the above mentioned product. Technical Report and documentation are at the Licence Holder's disposal. This is to certify that the tested sample is in conformity with all revision of Annex I of Council Directive 2006/95/EC, in its latest amended version, referred to as the Low Voltage Directive. This certificate does not imply assessment of the series-production of the product and does not permit the use of a TÜV Rheinland mark of conformity. The holder of the certificate is authorized to use this certificate in connection with the EC declaration of conformity according to Annex III of the Directive.

Certification Body

Date 01.08.2012

Jie Zhang



TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

CE The CE marking may be used if all relevant and effective EC Directives are complied with. CE



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Certificate No. R 50233969 0001 Our Reference 01-MR-15053021 001 Appendix No. 1

Constructional Data Form (CDF) for Electromechanical device

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Applicant: Zhejiang Chint Electrics Co., Ltd.
Address: No.1, Chint Road, Chint Industrial Zone, North Baixiang, Yueqing, Zhejiang Province
325603 P.R.China
Type or Model Number: NS2-AE11, NS2-AE20
Kind of device: Auxiliary Contact

TÜV Rheinland Group

26.07.2012

Date

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Ma Rui

Signature

License holder

Zhejiang Chint Electrics Co., Ltd.

Chen Wenzhong

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Type designation	NS2-AE11		NS2-AE20	
Contact element (AC)	☒ A ☒ B		2 X ☒ A	
Kind of control circuit device	Associated control equipment			
Kind of switching elements	Auxiliary contacts			
Number of pole	1-pole X 2 (separated control)			
Interrupting medium	Air			
Method of operation	Mechanical			
Method of control	Automatic			
Contact material	AgNi(10)			
Switching elements	See below			
Utilization category	AC-15	AC-15	DC-13	DC-13
Rated operational voltage (U_e)	240 V	127 V	48 V	60 V
Rated insulation voltage (U_i)	690 V	690 V	690 V	690 V
Rated impulse withstand voltage (U_{imp})	2,5 kV	2,5 kV	2,5 kV	2,5 kV
Switching overvoltage	II	II	II	II
Conventional free air thermal current (I_{th})	2,5 A	2,5 A	2,5 A	2,5 A
Conventional enclosed thermal current (I_{the})	- A	- A	- A	- A
Rated operational voltage (I_e)	0,5 A	1 A	0,3 A	0,15 A
Rated frequency	50 or 60Hz	50 or 60Hz	N/A	N/A
Rated Conditional short-circuit current	1 000 A	1 000 A	1 000 A	1 000 A
Short circuit protective device	RT36-00	RT36-00	RT36-00	RT36-00
IP code	IP20			
Pollution degree	3			
Ambient temperature	-5...40 °C			
Direct opening action (Annex K)	☐ Yes ☒ No			

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Schematic:

Figure N°	Figure	Symbols	Forms	Terminal designation	
				NS2-AE11	NS2-AE20
4 a)			A	13, 14	13, 14, 23, 24
			B	21, 22	-
4 b)			X		
			Y		
4 c)			C		
4 d)			Za		
4 e)			Zb		

Distinctive N°	Contact Elements	Distinctive N°	Contact Elements	Distinctive N°	Contact Elements
10 ☐		-	-	-	-
20 ☒		11 ☒		-	-
30 ☐		21 ☐		12 ☐	
40 ☐		31 ☐		23 ☐	
01 f ☐		001 ☐		13 ☐	
02 ☐		002 ☐		-	-
03 ☐		-	-	-	-
04 ☐		-	-	-	-

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Terminals /connection:

Type designation	NS2-AE11	NS2-AE20
Type of Terminal	Screw terminals	Screw terminals
Terminal designation, auxiliary circuit	14, 13, 21, 22	14, 13, 24, 23
	Metric mm ² X N°	AWG/kcmil X N°
Connectable cross-sections of copper conductors (I _e : 1 A...400 A)	Min. 0,75 X 1 Max. 2,5 X 1 (12...15 A)	Min. 18 AWG X 1 (0...8 A) Max. 14 AWG X 1 (12...15 A)
Type of conductor	☐ Rigid	☒ Flexible wire ☐ copper bars
Required preparation of the conductor	☒ Prepared	☒ Unprepared
Max. Stripping length (mm)	8,8 mm	
Stripping length (mm)	8 mm	
Tightening torque (Nm)	1,2 Nm (diameter: 3,5 mm)	
Material/plating terminal	Bare brass	
Material/plating of the screw	Zn plated steel	
Material/plating of the washer	Zn plated steel	

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Plastic insulating parts:

Part name	Manufacturer	Material name	RTI (minimum)	Flame class	Material Group
Plastic part	Zhejiang Chint Electrics Co., Ltd.	PA66 MFH-G30	175V	94V-0	IIIb

Other:

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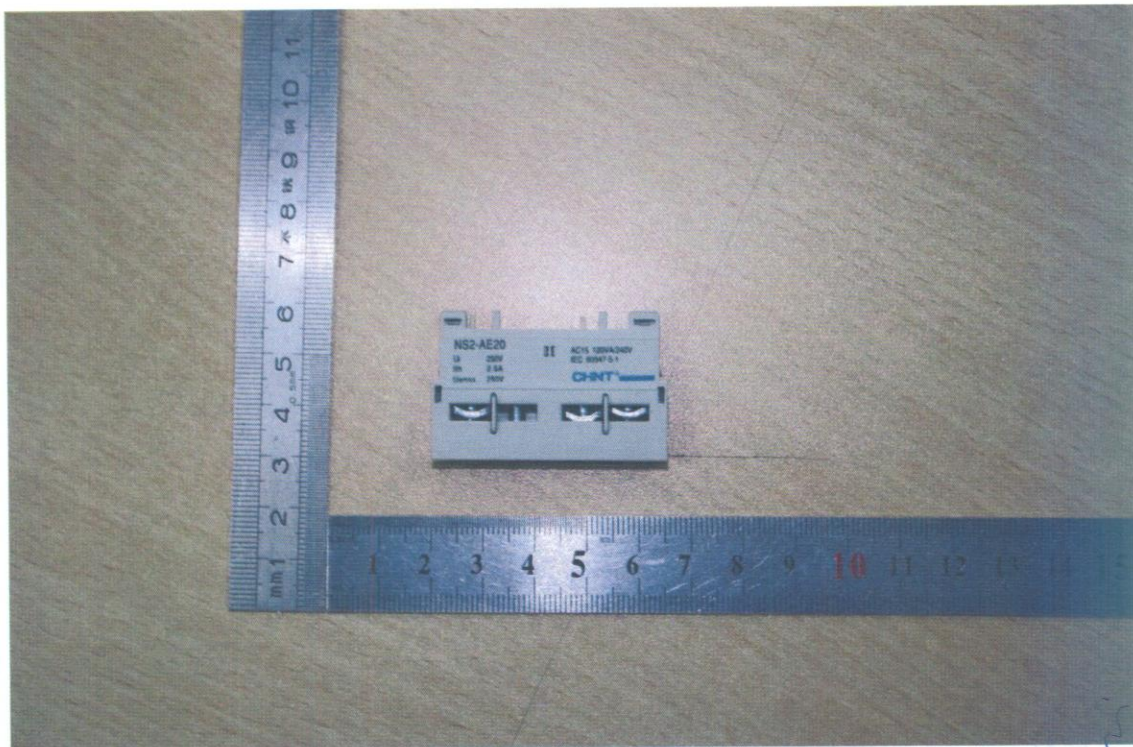
Zhejiang Chint Electrics Co., Ltd.

Chen Wenzhong

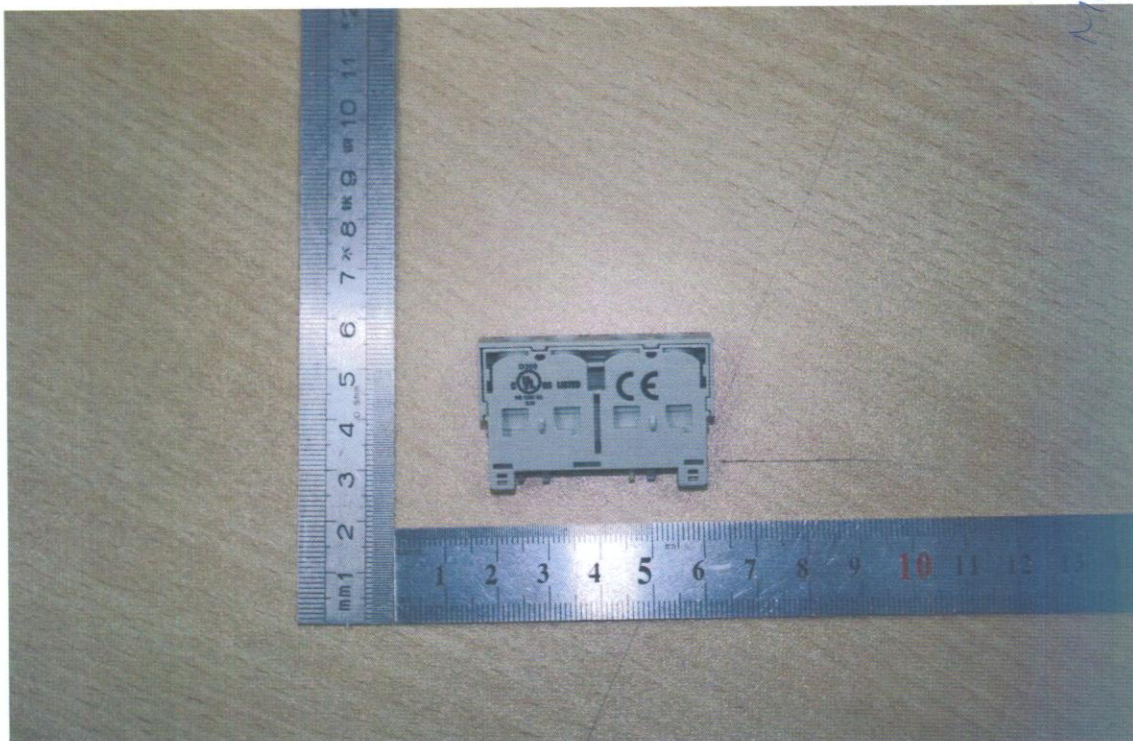
Name

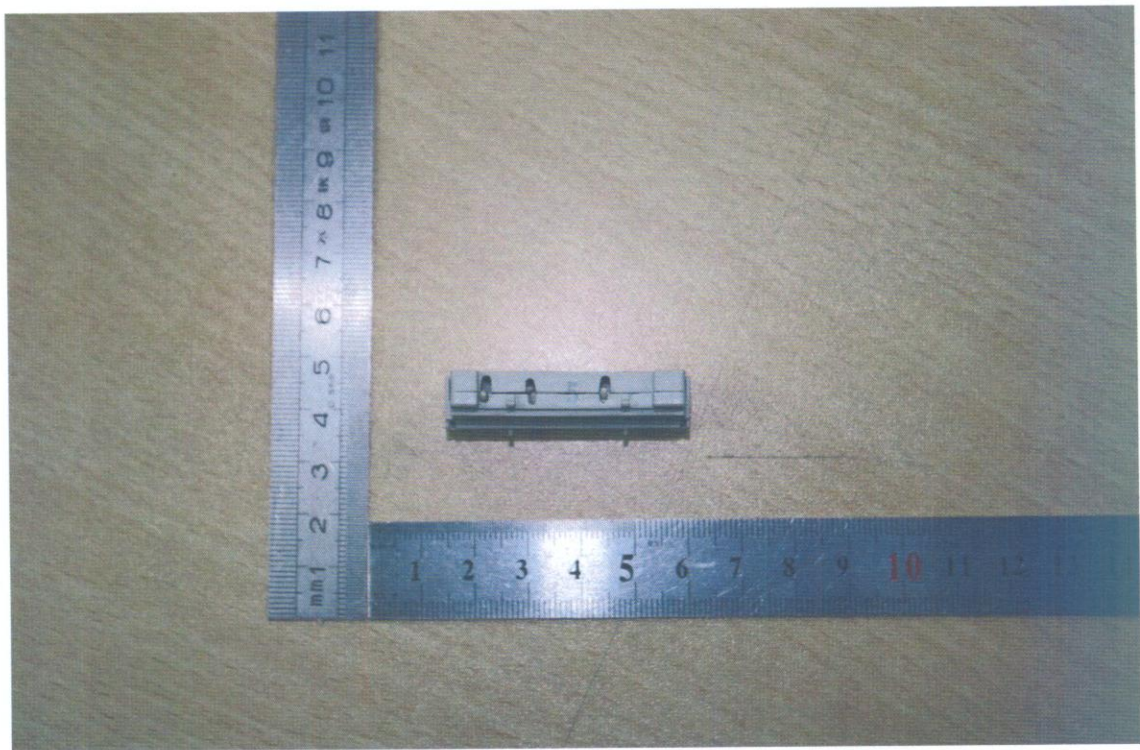
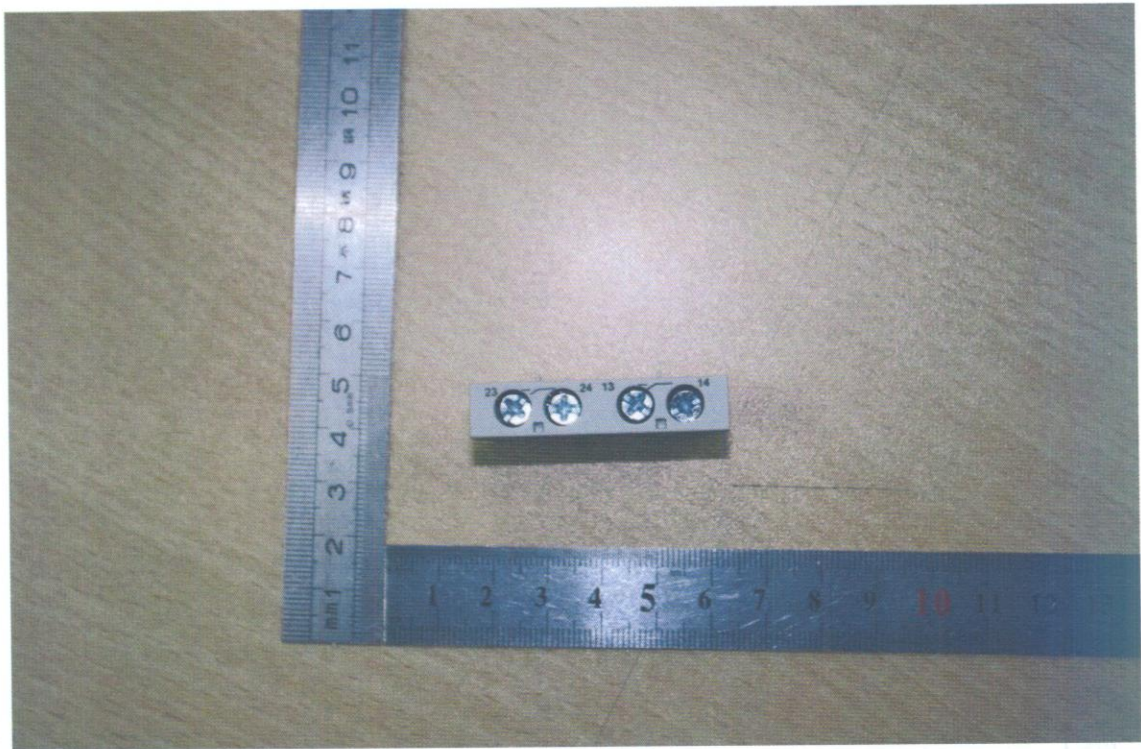
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Report Number: 15053021-001
Model: NS2-AE20, NS2-AE11



27.07.2012





Report Number: 15053021-001
Model: NS2-AE20, NS2-AE11

