

c-0386

Zertifikat**Certificate**

Zertifikat Nr. Certificate No.
R 50088995

Blatt Page
0002

Ihr Zeichen Client Reference
C.L.

Unser Zeichen Our Reference
01-MR- 15018303 002

Ausstellungsdatum
30.11.2010

Date of Issue
(day/mo/yr)

Genehmigungsinhaber License Holder

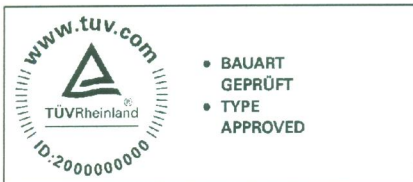
Zhejiang Chint Electrics Co., Ltd.
No.1,
Chint Road, Chint Industrial Zone,
North Baixiang
Yueqing, Zhejiang Province 325603
P.R. China

Fertigungsstätte Manufacturing Plant

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

Prüfzeichen Test Mark

Geprüft nach Tested acc. to
EN 61810-1:2004



Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

Relais (Relay)

as page 0001

Change

Address of License Holder : See above

Address of Factory : See above



Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde und es bestätigt die Konformität des Produktes mit den oben genannten Standards und Prüfgrundlagen. Zusätzliche Anforderungen in Ländern, in denen das Produkt in Verkehr gebracht werden soll, müssen zusätzlich betrachtet werden. Die Herstellung des zertifizierten Produktes wird überwacht.
This certificate is based on our Testing and Certification Regulation and states the conformity of the product with the standards and testing requirements as indicated above. Any additional requirements in countries where the product is going to be marketed have to be considered additionally. The manufacturing of the certified product is subject to surveillance.

Zertifizierungsstelle

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg
Tel.: (+49/221)8 06 - 13 71 e-mail: cert-validity@de.tuv.com
Fax: (+49/221)8 06 - 39 35 http://www.tuv.com/safety

Dipl.-Ing. F. He

Zertifikat

Certificate



Zertifikat Nr. Certificate No.
R 50088995

Blatt Page
0001

Ihr Zeichen Client Reference
D.S.

Unser Zeichen Our Reference
01-JB- 15018303 001

Ausstellungsdatum
17.05.2007

Date of Issue
(day/mo/yr)

Genehmigungsinhaber License Holder

Zhejiang Chint Electrics Co., Ltd.
Chint High-tech Industrial Zone
North Baixiang
Wenzhou, Zhejiang 325603
P.R. China

Fertigungsstätte Manufacturing Plant

Zhejiang Chint Electrics Co., Ltd.
Chint High-tech Industrial Zone
North Baixiang
Wenzhou, Zhejiang 325603
P.R. China

Prüfzeichen Test Mark



Geprüft nach Tested acc. to
EN 61810-1:2004

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

Relais (Relay)

Type Designation : NJQC-3FW/x-1y
x= 003; 006; 009; 012; 018; 024 or 048
y= H or Z

5
1
1

Rated Coil Voltage : DC 3V; 6V; 9V; 12V; 18V; 24V or 48V

Rated Coil Power : 0,36W

Contact Rating : AC 220V; 7A; Cos phi=1
DC 24V; 7A; L/R=0ms

Ambient Temperature : -30°C to +60°C

Electrical Endurance: 120, 000 Operating Cycles

Mechanical Endurance: 10, 000,000 Operating Cycles



The labelling requirements acc. to EU Directive 2001/95 have
to be observed for distribution within the EEA.

7

ANLAGE (Appendix): 1

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.
This certificate is based on our Testing and Certification Regulation. The product
fulfills above mentioned requirements, the production is subject to surveillance.


Zertifizierungsstelle

TÜV Rheinland Product Safety GmbH, Am Grauen Stein, D-51105 Köln



Tel.: (+49/221)8 06 - 13 71 e-mail: cert-validity@de.tuv.com

Fax: (+49/221)8 06 - 39 35 http://www.tuv.com/safety

Dipl.-Ing. P. Hartstein

Produktsicherheit und –qualität <i>Product Safety and Quality</i>		 TÜVRheinland® Precisely Right.
Certificate No. R50088995 0001	Our Reference 01-JB-15018303 001	Appendix No. 1
Constructional Data Form (CDF) All-or-Nothing Electromechanical Relays Page 1 of 3		

Licenseholder : Zhejiang Chint Electrics Co., Ltd.
 (full address) Chint High-tech Industrial Zone, North Baixiang, Wenzhou, Zhejiang, P.R.China
Factory : Zhejiang Chint Electrics Co., Ltd.
 (full address) Chint High-tech Industrial Zone, North Baixiang, Wenzhou, Zhejiang, P.R.China
Type or Model Number : NJQC-3FW/x-1y
Kind of device: Relay

Specification (contact-circuit)		
Contact material	AgCdO12	
Contact configuration	y=Z for Change-over contact form; y=H for Make contact form	
Rated contact voltage	220VAC	24VDC
Rated contact current	7A	
cos φ	1	---
L/R	---	0
Frequency (Hz)	50	---
Schematics for contact loading *according to Tab 13 of EN 61810-1: 2004		
Kind of contacts		
Number of cycles for electrical endurance / Frequency of operation	120,000 1800 cycles /h	
Number of cycles for mechanical endurance / Frequency of operation	10,000,000 18000 cycles/h	
Duty factor	50%	
Type of interruption	Micro-disconnection	
Insulation resistance	100M Ω	

TÜV Rheinland Group

11.01.2007

Jacky Bai

Date

Name


Signature

Produktsicherheit und –qualität <i>Product Safety and Quality</i>		 TÜVRheinland® Precisely Right.
---	--	---

Certificate No. R50088995 0001	Our Reference 01-JB-15018303 001	Appendix No. 1
---------------------------------------	---	-----------------------

Constructional Data Form (CDF) All-or-Nothing Electromechanical Relays	Page 2 of 3
---	-------------

Specification (coil-circuit)							
Rated coil voltage (Rated coil voltage) <input checked="" type="checkbox"/> DC <input type="checkbox"/> AC	3V	6V	9V	12V	18V	24V	48V
Coil resistance (at 23°C) (Ω)	25	100	221	406	914	1624	6400
Frequency for AC (Hz)	50Hz						
Rated power	0,36W						
Operative range	<input checked="" type="checkbox"/> class 1: 80% to 110% of rated coil voltage <input type="checkbox"/> class 2: 85% to 110% of rated coil voltage <input type="checkbox"/> other:						
Thermal insulation class	B						

Specification (general)			
Overvoltage category	II		
Pollution degree	2		
Test voltages	<i>coil-contact</i> : 3000V <i>contact - contact</i> : --- <i>across open contact</i> : 1500V <i>live parts - outside</i> : ---		
Minimum creepage distances	<i>coil-contact</i> : 5,1mm <i>contact - contact</i> : --- <i>across open contact</i> : 0,08mm <i>live parts - outside</i> :		
Minimum clearances	<i>coil-contact</i> : 5,0mm <i>contact - contact</i> : --- <i>across open contact</i> : 0,08mm <i>live parts - outside</i> :		
Insulation: Ui = 250V, Impulse withstand voltage: 3000V Material gr. IIIa, Poll. deg. 2	<i>coil-contact</i> : <input checked="" type="checkbox"/> basic <i>contact - contact</i> : <input type="checkbox"/> basic <i>across open contact</i> : <input checked="" type="checkbox"/> micro <i>live parts - outside</i> : <input type="checkbox"/> basic	<input type="checkbox"/> reinforced <input type="checkbox"/> reinforced <input type="checkbox"/> full <input type="checkbox"/> reinforced	<input type="checkbox"/> NA <input type="checkbox"/> NA <input type="checkbox"/> NA <input type="checkbox"/> NA
Ambient temperature	-30 to +60 °C		
Minimum mounting distance	H: 5 mm V: 5 mm		
Relay technology category	<input type="checkbox"/> RT 0 <input type="checkbox"/> RT I <input checked="" type="checkbox"/> RT II <input type="checkbox"/> RT III <input type="checkbox"/> RT IV <input type="checkbox"/> RT V		

TÜV Rheinland Group

11.01.2007

Jacky Bai

Jacky Bai

Date

Name

Signature

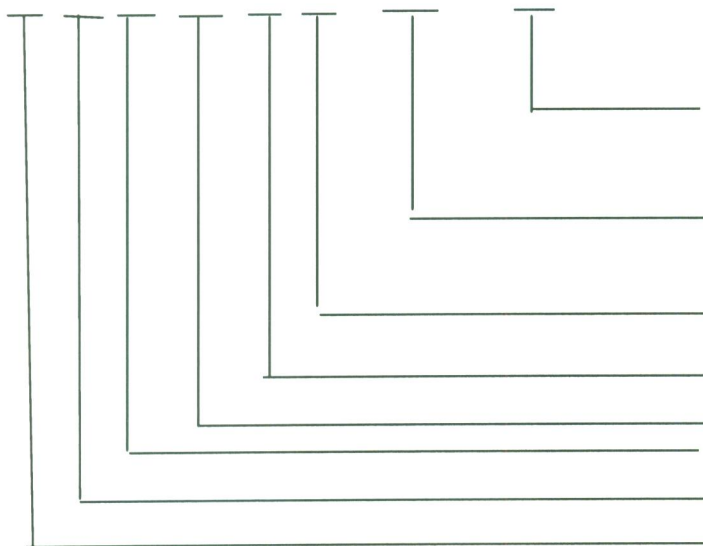
Appendix No. 1

Constructional Data Form (CDF) All-or-Nothing Electromechanical Relays Page 3 of 3

Terminals	
Terminal designation	
Type of terminals	<input type="checkbox"/> Screw terminals and screwless terminals <input type="checkbox"/> Flat quick-connect terminations <input checked="" type="checkbox"/> Solder terminals <p>Maximum permissible steady-state temperature indicated by manufacturer: 160°C</p> <input type="checkbox"/> Sockets <input type="checkbox"/> Alternative termination types
Material/plating of the terminal	H62Y
Required preparation of the conductor	---

Plastic Parts				
Part	Material name	Type designation	Max allowable temperature	Material Group
Case	PBT G30	B4406G6	130	IIIa
Bobbin	PBT G30	4830	120	IIIa

N JQ C— 3 F W / x - 1y



Company code