

CERTIFICATE

Issued to:
Applicant:
Zhejiang CHINT Electric Co., Ltd.
No.1, Chint Road, Chint Industrial Zone, North
Baixiang, Yueqing, Zhejiang
P.R. China

Manufacturer/Licensee:
Zhejiang CHINT Electric Co., Ltd.
No.1, Chint Road, Chint Industrial Zone, North
Baixiang, Yueqing, Zhejiang
P.R. China

Product(s) : automatic transfer switching equipment
Trade name(s) : CHINT
Type(s)/model(s) : NZ7-...

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 60947-6-1:2005;
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 2032236

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: 1 September, 2011 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 2146833.01

DEKRA Certification B.V.

drs. G.J. Zoetbrood
Managing Director

H.R.M. Barends
Certification Manager

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ACCREDITED BY
THE DUTCH COUNCIL
FOR ACCREDITATION



SPECIFICATION OF THE CERTIFIED PRODUCT

Product data

product	:	automatic transfer switching equipment
trade name(s)	:	CHINT
type(s)	:	NZ7-63H..., NZ7-63S..., NZ7-125H..., NZ7-125R..., NZ7-125S..., NZ7-250H..., NZ7-250R..., NZ7-250S..., NZ7-400H..., NZ7-400R..., NZ7-400S..., NZ7-630H..., NZ7-630R..., NZ7-630S...
type of equipment	:	ATSE
class of equipment	:	CB
number of poles	:	3 pole; 3 pole + N
rated operational voltage (Ue)	:	400 Vac
rated insulation voltage (Ui)	:	500 V (NZ7-63); 800 V (NZ7-125,250,400,630)
rated impulse withstand voltage (Uimp)	:	6 kV (NZ7-63) ; 8 kV (NZ7-125,250,400,630)
rated operational current (Ie)	:	10 A to 630 A
rated frequency	:	50 Hz
utilization category	:	AC-33B
rated short-circuit making capacity (Icm)	:	see product data per type
rated short-circuit breaking capacity (Icn)	:	see product data per type
control circuits	:	
rated frequency	:	50 Hz
rated control circuit voltage (Uc)	:	230 Vac
rated control supply voltage (Us)	:	230 Vac
time delay	:	0 s - 180 s
monitored supply deviation	:	160 Vac - 200 Vac, 240 Vac - 290 Vac
voltage deviation	:	-5 Vac - +15 Vac (tolerance)
frequency deviation	:	not applicable
contact transfer time	:	see product data per type
operating transfer time	:	see product data per type
total operating time	:	see product data per type
return transfer time	:	see product data per type
off time	:	see product data per type

Product data - type NZ7-63S...

rated current	:	10, 16, 20, 25, 32, 40, 50, 63 A
rated short-circuit making capacity (Icm)	:	31,5 kA
rated short-circuit breaking capacity (Icn)	:	15 kA
contact transfer time	:	≤ 2 s
operating transfer time	:	≤ 3,2 s
total operating time	:	≤ 3,2 s
return transfer time	:	≤ 3,2 s
off time	:	≤ 1,8 s

Product data - type NZ7-63H...

rated current	: 10, 16, 20, 25, 32, 40, 50, 63 A
rated short-circuit making capacity (Icm)	: 73,5 kA
rated short-circuit breaking capacity (Icn)	: 35 kA
contact transfer time	: ≤ 2 s
operating transfer time	: ≤ 3,2 s
total operating time	: ≤ 3,2 s
return transfer time	: ≤ 3,2 s
off time	: ≤ 1,8 s

Product data - type NZ7-125S...

rated current	: 16, 20, 25, 32, 40, 50, 63, 80, 100 A
rated short-circuit making capacity (Icm)	: 52,5 kA
rated short-circuit breaking capacity (Icn)	: 25 kA
contact transfer time	: ≤ 2 s
operating transfer time	: ≤ 3,5 s
total operating time	: ≤ 3,5 s
return transfer time	: ≤ 3,5 s
off time	: ≤ 1,8 s

Product data - type NZ7-125H...

rated current	: 16, 20, 25, 32, 40, 50, 63, 80, 100 A
rated short-circuit making capacity (Icm)	: 105 kA
rated short-circuit breaking capacity (Icn)	: 50 kA
contact transfer time	: ≤ 2 s
operating transfer time	: ≤ 3,5 s
total operating time	: ≤ 3,5 s
return transfer time	: ≤ 3,5 s
off time	: ≤ 1,8 s

Product data - type NZ7-125R...

rated current	: 16, 20, 25, 32, 40, 50, 63, 80, 100 A
rated short-circuit making capacity (Icm)	: 143 kA
rated short-circuit breaking capacity (Icn)	: 65 kA
contact transfer time	: ≤ 2 s
operating transfer time	: ≤ 3,5 s
total operating time	: ≤ 3,5 s
return transfer time	: ≤ 3,5 s
off time	: ≤ 1,8 s

Product data - type NZ7-250S...

rated current	: 100, 125, 160, 180, 200, 225 A
rated short-circuit making capacity (Icm)	: 52.5 kA
rated short-circuit breaking capacity (Icn)	: 25 kA
contact transfer time	: ≤ 2 s
operating transfer time	: ≤ 3,6 s
total operating time	: ≤ 3,6 s
return transfer time	: ≤ 3,6 s
off time	: ≤ 1,8 s

Product data - type NZ7-250H...

rated current	: 100, 125, 160, 180, 200, 225 A
rated short-circuit making capacity (Icm)	: 105 kA
rated short-circuit breaking capacity (Icn)	: 50 kA
contact transfer time	: ≤ 2 s
operating transfer time	: ≤ 3,6 s
total operating time	: ≤ 3,6 s
return transfer time	: ≤ 3,6 s
off time	: ≤ 1,8 s

Product data - type NZ7-250R...

rated current	: 100, 125, 160, 180, 200, 225 A
rated short-circuit making capacity (Icm)	: 143 kA
rated short-circuit breaking capacity (Icn)	: 65 kA
contact transfer time	: ≤ 2 s
operating transfer time	: ≤ 3,6 s
total operating time	: ≤ 3,6 s
return transfer time	: ≤ 3,6 s
off time	: ≤ 1,8 s

Product data - type NZ7-400S...

rated current	: 225, 250, 315, 350, 400 A
rated short-circuit making capacity (Icm)	: 73.5 kA
rated short-circuit breaking capacity (Icn)	: 35 kA
contact transfer time	: ≤ 2,5 s
operating transfer time	: ≤ 4 s
total operating time	: ≤ 4 s
return transfer time	: ≤ 4 s
off time	: ≤ 2,5 s

Product data - type NZ7-400H...

rated current	: 225, 250, 315, 350, 400 A
rated short-circuit making capacity (lcm)	: 110 kA
rated short-circuit breaking capacity (lcn)	: 50 kA
contact transfer time	: $\leq 2,5$ s
operating transfer time	: ≤ 4 s
total operating time	: ≤ 4 s
return transfer time	: ≤ 4 s
off time	: $\leq 2,5$ s

Product data - type NZ7-400R...

rated current	: 225, 250, 315, 350, 400 A
rated short-circuit making capacity (lcm)	: 154 kA
rated short-circuit breaking capacity (lcn)	: 70 kA
contact transfer time	: $\leq 2,5$ s
operating transfer time	: ≤ 4 s
total operating time	: ≤ 4 s
return transfer time	: ≤ 4 s
off time	: $\leq 2,5$ s

Product data - type NZ7-630S...

rated current	: 400, 500, 630 A
rated short-circuit making capacity (lcm)	: 73.5 kA
rated short-circuit breaking capacity (lcn)	: 35 kA
contact transfer time	: ≤ 3 s
operating transfer time	: ≤ 5 s
total operating time	: ≤ 5 s
return transfer time	: ≤ 5 s
off time	: ≤ 3 s

Product data - type NZ7-630H...

rated current	: 400, 500, 630 A
rated short-circuit making capacity (lcm)	: 110 kA
rated short-circuit breaking capacity (lcn)	: 50 kA
contact transfer time	: ≤ 3 s
operating transfer time	: ≤ 5 s
total operating time	: ≤ 5 s
return transfer time	: ≤ 5 s
off time	: ≤ 3 s

Product data - type NZ7-630R...

rated current	:	400, 500, 630 A
rated short-circuit making capacity (Icm)	:	154 kA
rated short-circuit breaking capacity (Icn)	:	70 kA
contact transfer time	:	≤ 3 s
operating transfer time	:	≤ 5 s
total operating time	:	≤ 5 s
return transfer time	:	≤ 5 s
off time	:	≤ 3 s

TESTS**Test requirements**

EN 60947-6-1:2005
IEC 60947-6-1:2005

Test result

The test results are laid down in DEKRA test file 2146833.01 and test reports No.3302434.50 and 2133209.50

Remarks

Equipment is derived TSE. The NZ7 is based on certified MCCBs type NM1-63, -125, -250, -400, -630 with KEMA KEUR certificate No. 2137937.01

This certificate will replace certificate No. 2133209.01

Conclusion

The examination proved that all test requirements were met.

Tested by : Lester Wang

Checked by : F.S. Strikwerda

**Factory locations**

Zhejiang CHINT Electrics Co., Ltd.

No.1, Chint Road, Chint Industrial Zone, North Baixiang, Yueqing, Zhejiang
P.R. China