

# CERTIFICATE

Issued to:  
Applicant:  
**Zhejiang Chint Electrics Co., Ltd.**  
No. 1, Chint Road,  
Chint Industrial Zone,  
North Baixiang, Yueqing,  
Zhejiang, China

Licensee:  
**Zhejiang Chint Electrics Co., Ltd.**  
No. 1, Chint Road,  
Chint Industrial Zone,  
North Baixiang, Yueqing,  
Zhejiang, China

Product : Automatic transfer switching equipment (ATSE)  
Trade name(s) : CHINT  
Type(s)/model(s) : NXZM-160H and NXZM-160S

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 and EN 60947-6-1:2005/A1:2014
- 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 15 May 2018 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 33-103057

DEKRA Certification B.V.



drs. G.J. Zoetbrood  
Managing Director



Kreny Lin  
Certification Manager

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DUTCH ACCREDITATION  
COUNCIL



**SPECIFICATION OF THE CERTIFIED PRODUCT****Product data**

Product	: Automatic transfer switching equipment (ATSE)
Trade name(s)	: CHINT
Type(s)/model(s)	: NXZM-160H and NXZM-160S
Class of equipment	: CB
Utilization category	: AC-33B
Number of poles	: 3P, 3P+N
Rated voltage (Ue)	: 400 / 415 Vac
Rated insulation voltage (Ui)	: 800 Vac
Rated impulse withstand voltage (Uimp)	: 8 kV
Rated operational current (Ie)	: 125, 160 A
Rated frequency	: 50 / 60 Hz
Safety distance	: Front / Back: 0 mm, Left / Right: 50 mm, Up / Down: 50 mm
EMC environment	: A and B
Control circuits	: As below
Rated frequency	: 50 / 60 Hz
Rated control circuit voltage (Uc)	: 230 / 240 Vac
Rated control supply voltage (Us)	: 230 / 240 Vac
Transfer control devices	: Controller A and Controller B
Monitored supply deviation	: Under-voltage: 160 Vac - 200 Vac (adjustable) Over-voltage: 240 Vac - 290 Vac (adjustable)
Voltage deviation	: $\pm 10$ Vac
Opening time delay	: 0 s - 180 s (adjustable)
Closing time delay	: 0 s (fixed)
Contact transfer time	: $2 \times (1 \pm 10\%)$ s
Off time	: $(2 + \text{closing time delay}) \times (1 \pm 10\%)$ s
Operating transfer time	: $3,3 \times (1 \pm 10\%)$ s
Total operating time	: $(3,3 + \text{time delay}) \times (1 \pm 10\%)$ s
Return transfer time	: $(3,7 + \text{time delay}) \times (1 \pm 10\%)$ s

**Product data – type NXZM-160H**

Rated short-circuit making capacity (Icm)	: 105 kA
Rated short-circuit breaking capacity (Icn)	: 50 kA

**Product data – type NXZM-160S**

Rated short-circuit making capacity (Icm)	: 73,5 kA
Rated short-circuit breaking capacity (Icn)	: 35 kA

**TESTS****Test requirements**

EN 60947-6-1:2005

EN 60947-6-1:2005/A1:2014

**Test result**

The test results are laid down in DEKRA test file 331203100.



**Additional information**

NXZM - 160 S / 4 B

a      b c d e

a - code denoting the series name: NXZM

b - code denoting the rated current of frame: 160 A

c - code denoting the short-circuit breaking capacity: S (35 kA), H (50 kA)

d - code denoting the number of pole: 3P, 4P (3P+N)

e - code denoting the controller: controller A, controller B

The referred test report is 3312031.50.

The product also complies with IEC 60947-6-1:2005 and A1:2013.

**Conclusion**

The examination proved that all requirements were met.

**Factory location**

Zhejiang Chint Electrics Co., Ltd.

No. 1318, Binhai No. 2 Avenue,

Economic and Technical Development Zone,

Wenzhou, Zhejiang, China