CERTIFICATE

Issued to:
Applicant:
Zhejiang Chint Electrics Co., Ltd.
No. 1, Chint Road, Chint Industrial Zone, North Baixiang, Yueqing,
325603 Zhejiang, China

Licensee:
Zhejiang Chint Electrics Co., Ltd.
No. 1, Chint Road, Chint Industrial Zone, North Baixiang, Yueqing,
325603 Zhejiang, China

Product	:	Moulded-Case Circuit-Breaker
Trade name(s)	:	CHINT
Type(s)/model(s)	:	NM8N-1600ST

The product and any acceptable variation thereto as 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 EN 60947-2:2017, EN 60947-2:2017/A1:2020, IEC 60947-2:2016 and IEC 60947-2:2016/A1:2019
- an inspection of the factory location according to CENELEC Operational Document CIG 021
- a DEKRA 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 and under the conditions of the KEMA-KEUR certification agreement.

This certificate is issued on 12 July 2023 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 71-129434

DEKRA Certification B.V.

B.T.M. Holtus
Managing Director

R Zhou
Certification Manager

© Integral publication of this certificate is allowed

ACCREDITED BY THE DUTCH ACCREDITATION COUNCIL

PRODUCTS RvA C 001

KEMA KEUR

DEKRA Certification B.V. Meander 1051, 6825 MJ Arnhem P.O. Box 5185, 6802 ED Arnhem, The Netherlands
T +31 88 96 83000 F +31 88 96 83100 www.dekra.nl Company registration 09085396

SPECIFICATION OF THE CERTIFIED PRODUCT

Product data

Product	:	Moulded-Case Circuit-Breaker
Trade name(s)	:	CHINT
Type(s)/model(s)	:	NM8N-1600ST
Number of poles	:	3-pole, 4-pole (3-pole + N)
Rated operational voltage (Ue)	:	220 Vac / 230 Vac / 240 Vac / 380 Vac / 400 Vac / 415 Vac
Rated insulation voltage (Ui)	:	1000 V
Rated impulse withstand voltage (Uimp)	:	12 kV
Rated current (In)	:	800 A, 1000 A, 1250 A, 1600 A
Rated frequency	:	50 / 60 Hz
Conventional thermal current (Ith)	:	Equal to In
Rated service short-circuit breaking capacity (Ics)	:	100 % Icu
Rated ultimate short-circuit breaking capacity (Icu)	:	70 kA at 220 Vac / 230 Vac / 240 Vac 50 kA at 380 Vac / 400 Vac / 415 Vac
Rated short-time withstand current (Icw)	:	25 kA - 1 s
Individual pole short-circuit breaking capacity (Isu)	:	N/A
Individual pole short-circuit breaking capacity (Iit)	:	N/A
Suitable for isolation	:	Suitable
Selectivity category	:	B
Safety distance (screen-circuit breaker)	:	Front / Back: 0 mm Left / Right: 0 mm Up / Down: 120 mm
Method of mounting	:	Fixed
EMC environment	:	A and B
Rated tightening torque for terminals	:	30 Nm
Line/load terminal	:	Not marked
Current setting of the N pole	:	IN = 0,5, 1,0 x In, , OFF
Current setting of the inverse time delay release	:	Ir = 0,4, 0,5, 0,6, 0,7, 0,8, 0,9, 0,95, 1,0 x In
Time setting of the inverse time delay release	:	tr 3 s, 6 s, 12 s, 18 s, with tolerance ± 15% (at 6 Ir) 2 Ir tripping time declared by the manufacturer: when tr = 3 s: 22,95 s – 31,05 s when tr = 18 s: 137,7 s – 186,3 s
Current setting of the instantaneous release	:	Ii = 2, 3, 4, 6, 8, 10, 12 x In or IN, OFF
Time setting of the instantaneous release	:	Fixed
Current setting of the definite time-delay release	:	Isd = 1,5, 2, 3, 4, 6, 8, 10 x Ir or IN, OFF

Time setting of the definite time-delay release	:	tsd 0,1 s, with tolerance of 60 ms - 140 ms 0,2 s, with tolerance of 160 ms - 240 ms 0,3 s, with tolerance of 240 ms - 360 ms 0,4 s, with tolerance of 320 ms - 480 ms non-tripping duration stated by the manufacturer 0,1 s: 60 ms 0,2 s: 160 ms 0,3 s: 240 ms 0,4 s: 320 ms

TESTS

Test requirements
EN 60947-2:2017
EN 60947-2:2017/A1:2020
IEC 60947-2:2016
IEC 60947-2:2016/A1:2019

Test result
The test results are laid down in DEKRA test file 227295500.

Conclusion
The examination proved that all requirements were met.

Factory location
NOARK Electrics (Shanghai) Co.,Ltd.
No. 3857, Sixian Road, Songjiang District
201614 Shanghai, China