

CERTIFICATE

Issued to:
Applicant:
**Mitsubishi Electric Low Voltage Equipment
(Xiamen)Co., Ltd**
2nd Floor, No.122-126(double), Yinghao Road
Jimei District
361021 Xiamen City, Fujian Province, China

Licensee:
**Mitsubishi Electric Low Voltage Equipment
(Xiamen)Co., Ltd**
2nd Floor, No.122-126(double), Yinghao Road
Jimei District
361021 Xiamen City, Fujian Province, China

Product : Moulded-Case Circuit-Breaker
Trade name(s) : MITSUBISHI
Type(s)/model(s) : NFC100-CMXA and NFC100-SMXA

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 60947-2:2006, EN 60947-2:2006/A1:2009 and EN 60947-2:2006/A2:2013
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 2185553

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 31 May 2018 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 33-104128

DEKRA Certification B.V.



drs. G.J. Zoetbrood
Managing Director



Henk Barends
Certification Manager

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DUTCH ACCREDITATION
COUNCIL



SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: Moulded-Case Circuit-Breaker
Trade name(s)	: MITSUBISHI
Type(s)/model(s)	: NFC100-CMXA and NFC100-SMXA
Protected pole	: 2 or 3
Rated operational voltage (Ue)	: 415 Vac, 400 Vac, 380 Vac, 230 Vac
Rated insulation voltage (Ui)	: 690 V
Rated impulse withstand voltage (Uimp)	: 8 kV
Reference temperature (°C)	: 40 °C
Rated tightening torque for terminals (Nm)	: 15 A - 50 A: 2,0 Nm for M5 60 A - 100 A: 6,0 Nm for M8
Rated current (In)	: 15 A, 16 A, 20 A, 25 A, 30 A, 32 A, 40 A, 50 A, 60 A, 63 A, 75 A, 80 A, 100 A
Conventional thermal current (Ith)	: Equal to In
Rated frequency	: 50 / 60 Hz
Suitable for isolation	: Suitable
Utilization category	: A
Safety distance (screen-circuit breaker)	: Left / Right: 20 mm, Up / Down: 60 mm, Front / Back: 0 mm
Instantaneous release	: Magnetic type, fixed, 15 A - 32 A: $I_i = 500 A$ for 2 phases in series 40 A - 100 A: $I_i = 10 I_n$ for 2 phases in series 1,2 I_i for single pole
Time setting of the instantaneous release	: Fixed
Inverse time delay release	: Thermal type, fixed
Time setting of the inverse time delay release	: Fixed 2In tripping time declared by the manufacturer: 15 A - 32 A: $30 s \leq t \leq 180 s$ 40 A - 100 A: $60 s \leq t \leq 360 s$
Method of mounting	: Fixed
EMC environment	: A and B
Individual pole short-circuit breaking capacity (lit)	: Only suitable for 2P and 3P 15 A - 32A: 720 A at 415 Vac, 40 A - 100 A: 15 In at 415 Vac
Line/load terminal Connection	: LINE and LOAD are marked Prepared copper conductor with cable lug

Product data – type NFC100-CMXA

Rated ultimate short-circuit breaking capacity (Icu)	: 10 kA at 415 Vac / 400 Vac, 15 kA at 380 Vac, 25 kA at 230 Vac
Rated service short-circuit breaking capacity (Ics)	: 5 kA at 415 Vac / 400 Vac, 7,5 kA at 380 Vac, 12,5 kA at 230 Vac
Number of poles	: 2P and 3P

Product data – type NFC100-SMXA

Rated ultimate short-circuit breaking capacity (Icu)	: 25 kA at 415 Vac / 400 Vac, 30 kA at 380 Vac, 50 kA at 230 Vac
Rated service short-circuit breaking capacity (Ics)	: 12,5 kA at 415 Vac / 400 Vac, 15 kA at 380 Vac, 25 kA at 230 Vac

Number of poles : 2P, 3P, 4P (N pole without protection)
Current rating for four-pole circuit-breakers : Equal to In

TESTS

Test requirements

EN 60947-2:2006
EN 60947-2:2006/A1:2009
EN 60947-2:2006/A2:2013

Test result

The test results are laid down in DEKRA test file 331368500.

Additional information

The referred test reports are 3307577.50 and 3313685.50.
This certificate is based on KEMA KEUR certificate 3307577.01 issued on 2015-12-07.

The product also complies with IEC 60947-2:2006 + A1:2009 + A2:2013.

Conclusion

The examination proved that all requirements were met.

Factory location

Mitsubishi Electric Low Voltage Equipment (Xiamen)Co., Ltd
2nd Floor, No.122-126(double), Yinghao Road
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