

CERTIFICATE

Issued to:
Applicant:
**Mitsubishi Electric Dalian Industrial Products Co.,
Ltd.**
Dongbei 3-5, Dalian Economic & Technical
Development Zone
116600 Dalian Liaoning, China

Licensee:
**Mitsubishi Electric Dalian Industrial Products Co.,
Ltd.**
Dongbei 3-5, Dalian Economic & Technical
Development Zone
116600 Dalian Liaoning, 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 thereof as specified in the Annex to this certificate and the documents referred to therein.

DEKRA hereby declares that the above-mentioned product has been certified based on:

- a type test according to EN 60947-2:2017, EN 60947-2:2017/A1:2020, IEC 60947-2:2016 and IEC 60947-2:2016/AMD1:2019
- an inspection of the factory location according to CENELEC Operational Document CIG 021
- a DEKRA certification agreement with the number 2225857

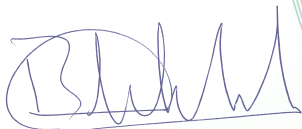
DEKRA hereby grants the right to use the KEMA-KEUR certification mark.

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 9 July 2025 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 33-160201

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



David Huang
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
Rated insulation voltage (Ui)	: 690 V
Rated impulse withstand voltage (Uimp)	: 8 kV
Rated operational voltage (Ue)	: 230 Vac / 380 Vac / 400 Vac / 415 Vac
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
Rated frequency	: 50 / 60 Hz
Reference temperature	: 40 °C
Individual pole short-circuit (IIT)	: Only suitable for 3P and 2P: 15 A - 32 A: 720 A at 415 Vac, 40 A - 100 A: 15 In at 415 Vac
Suitable for isolation	: Suitable
Selectivity category	: A
Details of minimum distance between circuit-breaker and earthed metal parts	: Front / Back: 0 mm, Left / Right: 20 mm, Up / Down: 60 mm
Time setting of the instantaneous release	: Fixed
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 single pole: $1,2 \times I_i$
Inverse time delay release	: Thermal type, Fixed
Reference temperature for non-compensated thermal releases	: Fixed, tripping time at $2 I_n$: 15 A - 32 A: $30 s \leq t \leq 180 s$ 40 A - 100 A: $60 s \leq t \leq 360 s$
Method of installation	: Fixed
Electromagnetic compatibility (EMC)	: A and B
Tightening torque for the circuit-breaker terminals	: 15 A - 50 A: 2,0 Nm for M5 60 A - 100 A: 6,0 Nm for M8
Identification of line and load terminals	: Line and Load are marked
Connection capacity	: Prepared Copper conductor with cable lug

Product data – type NFC100-CMXA

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

Product data – type NFC100-SMXA

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
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Rated ultimate short-circuit breaking capacity (I_{cu}) : 25 kA at 415 Vac / 400 Vac,
30 kA at 380 Vac,
50 kA at 230 Vac

Number of poles : 2P, 3P, 4P (N pole without overcurrent protection)

TESTS

Test requirements

EN 60947-2:2017
EN 60947-2:2017/A1:2020
IEC 60947-2:2016
IEC 60947-2:2016/AMD1:2019

Test result

The test results are documented in DEKRA test file 333467300.

Additional information

The referred test reports are 3326322.50, 3313685.50, 3307577.50 and 3334673.51.

This certificate replaces certificate No. 33-126235 which we hereby declare invalid.

Conclusion

The examination has confirmed that all requirements were met.

Factory location

Mitsubishi Electric Dalian Industrial Products Co., Ltd.
Dongbei 3-5, Dalian Economic & Technical Development Zone
116600 Dalian Liaoning, China