

# 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) : NFC60-HMXA

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

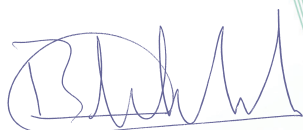
DEKRA hereby grants the right to use the KEMA-KEUR certification mark.

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

Certificate number: 33-160197

DEKRA Certification B.V.



B.T.M. Holtus  
Managing Director



Susan Lehner  
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)	: NFC60-HMXA
Number of poles	: 2P, 3P or 4P (N pole without overcurrent protection)
Rated operational voltage (Ue)	: 230 Vac / 380 Vac / 400 Vac / 415 Vac
Rated insulation voltage (Ui)	: 690 Vac
Rated impulse withstand voltage (Uimp)	: 8 kV
Rated frequency	: 50 / 60 Hz
Rated current (In)	: 15 A, 16 A, 20 A, 25 A, 30 A, 32 A, 40 A, 50 A, 60 A
Rated service short-circuit breaking capacity (Ics)	: 12,5 kA at 230 Vac 7,5 kA at 380 Vac 5 kA at 400/415 Vac
Rated ultimate short-circuit breaking capacity (Icu)	: 25 kA at 230 Vac 15 kA at 380 Vac 10 kA at 400/415 Vac
Individual pole short-circuit (Itr)	: Yes, only suitable for 2P and 3P 720 A at 415 Vac (15 A to 32 A), 15 In at 415 Vac (40 A to 60 A)
Suitable for isolation	: Suitable
Selectivity category	: A
Details of minimum distance between circuit-breaker and earthed metal parts	: Up/Down: 60 mm, Left/Right: 20 mm, Front/Back: 0 mm
Reference temperature for non-compensated thermal releases	: 40 °C
Method of installation	: Fixed
Electromagnetic compatibility (EMC)	: A and B
Tightening torque for the circuit-breaker terminals	: M5 / 2 Nm (15 to 50 A) M8 / 3,5 Nm (60 A)
Identification of line and load terminals	: Line and Load are marked
Connection capacity	: Prepared Copper conductor with cable lug
Inverse time delay release	: Thermal type, Fixed
Time setting of the inverse time delay release	: Fixed, tripping time at 2 In: 30 s to 180 s (15 A to 32 A), 60 s to 360 s (40 A to 60 A)
Instantaneous release	: Magnetic type, fixed, 2 poles in series: li = 10 In for 40 A to 60 A li = 500 A for 15 A to 32 A single pole: 1,2 x li

**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 3317695.50, 3307576.50 and 3334673.50.

This certificate replaces certificate No. 33-114264 which we hereby declare invalid.

**Conclusion**

The examination has confirmed that all requirements were met.

**Factory location**

Mitsubishi Electric Dalian Industrial Products Co., Ltd.  
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