CERTIFICATE

Issued to:
Applicant:
MITSUBISHI ELECTRIC CORPORATION
FUKUYAMA WORKS
1-8, MIDORI-MACHI FUKUYAMA-CITY
HIROSHIMA-PREF, JAPAN

Manufacturer/Licensee:
Mitsubishi Electric Dalian Industrial Products Co., Ltd.
Dongbei 3-5, Dalian Economic & Technical Development Zone, Liaoning Province, P. R. China

Product(s) : Moulded-Case Circuit-Breaker
Trade name(s) : MITSUBISHI
Type(s)/model(s) : NF125-LXV, NF125-HXV

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 EN 60947-2:2006 + A1:2009 +A2:2013; IEC 60947-2:2006 + A1:2009 + A2:2013;
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 2116095

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: 12 March 2015 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 3306350.02

DEKRA Certification B.V.

drs. G.J. Zoetbrood
Managing Director

H.L. Schendstok
Certification Manager

ACCREDITED BY THE DUTCH ACCREDITATION COUNCIL

PRODUCTS RvA C 001

KEMA KEUR

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SPECIFICATION OF THE CERTIFIED PRODUCT

Product data

product	:	Moulded-Case Circuit-Breaker
trade name(s)	:	MITSUBISHI
type(s)	:	NF125-LXV, NF125-HXV
number of poles	:	2P, 3P, 4P (3P+ N, N without protection)
protected pole	:	2 or 3
rated operational voltage (Ue)	:	230 Vac / 380 Vac / 400 Vac / 415 Vac, 250 Vdc (2P in series)
rated insulation voltage (Ui)	:	690 V
rated impulse withstand voltage (Uimp)	:	8 kV
reference temperature (°C)	:	40 °C
rated current (In)	:	15 A, 16 A, 20 A, 30 A, 32 A, 40 A, 50 A, 60 A, 63 A, 75 A, 80 A, 100 A, 125 A
rated operational current (Ie)	:	Equal to In
conventional thermal current (Ith)	:	Equal to In
current rating for four-pole circuit-breakers	:	Equal to In
rated frequency	:	50 / 60 Hz
rated ultimate short-circuit breaking capacity (Icu)	:	NF125-LXV 90 kA at 230 Vac, 50 kA at 380 Vac / 400 Vac / 415 Vac, 20 kA at 250 Vdc
	:	NF125-HXV: 100 kA at 230 Vac, 75 kA at 380 Vac / 400 Vac, 70 kA at 415Vac, 40 kA at 250 Vdc
rated service short-circuit breaking capacity (Ics)	:	100% Icu
suitable for isolation	:	Suitable
utilization category	:	A
safety distance (screen-circuit breaker)	:	Left / Right: 60 mm Up / Down: 80 mm Front / Back: 160 mm
instantaneous release	:	Magnetic type, fixed, 2 poles in series: 125 - 40 A: Ii = 14 In for AC 125 - 40 A: Ii = 19,6 In for DC 32 - 15 A: Ii = 600 A for AC 32 - 15 A: Ii = 850 A for DC single pole: 125 - 40 A: Ii = 20,96 In for AC 125 - 40 A: Ii = 29,44 In for DC 32 - 15 A: Ii = 900 A for AC 32 - 15 A: Ii = 1280 A In for DC

inverse time delay release	:	Fixed
time setting of the inverse time delay release	:	Fixed 2In tripping time declared by the manufacturer: 125 - 75 A: 1 min ≤ t ≤ 6 min 63 - 40 A: 1 min ≤ t ≤ 4 min 32 - 15 A: 30 s ≤ t ≤ 4 min
method of mounting	:	Fixed
EMC environment	:	A and B
Individual pole short-circuit breaking capacity (Isu)	:	N/A
	:	
Individual pole short-circuit breaking capacity (Iit)	:	Yes (only for 2P, 3P), 2,63 kA at 415 Vac for 40 - 125 A
	:	900 A at 415 Vac for 15 - 32 A
line/load terminal connection	:	Immaterial
	:	Prepared copper conductor with cable lug

Additional information
Nomenclature breakdown
NF 125 - L XV
a b c d
a=Model name
b=Frame size
c=Class name L: Middle class, H: High class
d=Series name

TESTS

Test requirements
EN 60947-2:2006 + A1:2009 + A2:2013
IEC 60947-2:2006 + A1:2009 + A2:2013

Test result
The test results are laid down in DEKRA test file 3306350.02 and report 3306350.50 and also based on CQC CB test certificate CN24915-A1 issued on 2013-12-05 with CQC TRF C009-CB2012CQC-040515 issued on 2012-9-28.

Conclusion
The examination proved that all test requirements were met.

Tested by : CQC and King Wang

Checked by : Eric Wang

Factory locations
Mitsubishi Electric Dalian Industrial Products Co., Ltd.
Dongbei 3-5, Dalian Economic & Technical Development Zone, Liaoning Province, P. R. China