

# 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-SXV

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 + 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: 8 December 2014 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 3306349.02

DEKRA Certification B.V.

  
drs. G.J. Zoetbrood  
Managing Director

  
F.S. Strikwerda  
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)	:	NF125-SXV
number of poles	:	3 poles or 4 poles (3P+ N, N without protection)
protected pole	:	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 current (In)	:	15, 16, 20, 30, 32, 40, 50, 60, 63, 75, 80, 100, 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)	:	36 kA (415 / 400 / 380 Vac) 75 kA (230 Vac)
rated service short-circuit breaking capacity (Ics)	:	100% Icu
suitable for isolation	:	Suitable
utilization category	:	A
safety distance (screen-circuit breaker)	:	Left / Right: 40 mm Up / Down: 50 mm Front / Back: 150 mm
instantaneous release	:	Magnetic type, fixed, 125 A: $I_i = 12 I_n$ for 2 phases in series 125 A: $I_i = 18 I_n$ for single pole 40 - 100 A: $I_i = 15 I_n$ for 2 phases in series 40 - 100 A: $I_i = 22,5 I_n$ for single pole 15 - 32 A: $I_i = 600 A$ for 2 phases in series 15 - 32 A: $I_i = 900 A$ for single pole
inverse time delay release	:	Fixed
time setting of the inverse time delay release	:	Fixed
method of mounting	:	Fixed
EMC environment	:	A and B
Individual pole short-circuit breaking capacity (I <sub>su</sub> )	:	N/A
Individual pole short-circuit breaking capacity (I <sub>IT</sub> )	:	Yes (only for 3P), 2,25 kA for 40 - 125 A 900 A for 15 - 32 A
line/load terminal connection	:	Immaterial Prepared copper conductor with cable lug

**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 3306349.02 and reports 3306349.50 and also based on CQC CB certificate CN24917 issued on 2012-12-04 with CQC TRF C009-CB2012CQC-040517 issued on 2012-10-11.

**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