

EU Declaration of Conformity

Document No. **LCE-ND001-C**

Product: **Low-voltage Circuit-breakers, WS-V series**

Manufacturer: MITSUBISHI ELECTRIC CORPORATION

Address: TOKYO 100-8310, JAPAN

This declaration of conformity is issued under the sole responsibility of the manufacturer.

Object of the declaration: indicated in Tables 1 to 6 of Appendix 1

The object of the declaration described above is in conformity with the following Union harmonization legislation:

Directive 2014/35/EU --- Low Voltage (LVD)

Directive 2014/30/EU --- Electromagnetic Compatibility (EMC)

Directive 2011/65/EU, (EU)2015/863 --- Restriction of Hazardous Substances (RoHS)

References to the relevant harmonized standards used in relation to which conformity is declared:

LVD, EMC --- EN 60947-2: 2017/A1:2020

Circuit-breakers

EN 60947-5-1: 2017

Switches of accessory for circuit breaker

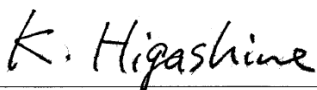
RoHS --- EN IEC 63000:2018

The appendix is part of this declaration. This declaration certifies the conformity with the directives mentioned, but does not contain any warranted qualities. The installation, usage and safety directions of the product documentation have to be observed.

Signed for and on behalf of the manufacturer:

Place: 1-8, Midorimachi, Fukuyama-city, Hiroshima-pref. Japan

Date: April 28, 2021



Kenji Higashine

General Manager, Low voltage circuit breaker Dept., Fukuyama Works

Appendix 1 Low-voltage Circuit-breakers WS-V series

Products: Table 1 WS-V NF series

Model of products			
NF32-CVF(*1)	NF125-CVF(*1)	NF160-SGV(*1)	NF250-CV(*1)
NF32-SVF(*1)	NF125-SVF (*1)	NF160-SXV(*1)	NF250-SV(*1)
NF32-SV(*1)	NF125-CV(*1)	NF160-LGV(*1)	NF250-SEV
NF63-CVF(*1)	NF125-SV(*1)	NF160-LXV(*1)	NF250-SGV(*1)
NF63-SVF (*1)	NF125-SEV	NF160-HGV(*1)	NF250-SXV(*1)
NF63-CV(*1)	NF125-SGV (*1)	NF160-HXV(*1)	NF250-LGV(*1)
NF63-SV(*1)	NF125-SXV (*1)		NF250-LXV(*1)
NF63-HV(*1)	NF125-LGV (*1)		NF250-HV(*1)
NF63-HRV(*1)	NF125-LXV(*1)		NF250-HEV
NF63-HDV(*1) (*2)	NF125-HV(*1)		NF250-HGV(*1)
	NF125-HEV		NF250-HXV(*1)
	NF125-HGV(*1)		NF250-RV(*1)
	NF125-HXV(*1)		NF250-RGV(*1)
	NF125-RV(*1)		NF250-UV(*1)
	NF125-RGV(*1)		NF250-HDVA(*1)
	NF125-UV(*1)		
	NF125-HDVA(*1) (*3)		

(*1) Circuit breakers not incorporating electronic circuit are not required the immunity and emission tests for Electromagnetic Compatibility.

(*2) Rated Current : 50A or less (*3) No. of poles : 4-pole

Products: Table 2 WS-V NV series

Model of products		
NV32-CVF	NV125-CVF	NV250-CV
NV32-SVF	NV125-SVF	NV250-SV
NV32-SV	NV125-CV	NV250-SEV
NV63-CVF	NV125-SV	NV250-HV
NV63-SVF	NV125-SEV	NV250-HEV
NV63-CV	NV125-HV	NV250-WEV
NV63-SV	NV125-HEV	
NV63-HV		

Above products incorporating electronic circuit are required the immunity and emission tests for Electromagnetic Compatibility. Reference standard Nos. are EN60947-2:2006/A2:2013, Annex J.2 (immunity) and J.3 (emission).

Products: Table 3 WS-V NF-UL series

Model of products			
NF50-SVFU	NF100-CVFU	NF125-SVU	NF250-CVU
		NF125-HVU	NF250-SVU
			NF250-HVU

Above products not incorporating electronic circuit are not required the immunity and emission tests for Electromagnetic Compatibility.

Products: Table 4 WS-V NV-UL series

Model of products			
NV50-SVFU	NV100-CVFU	NV125-SVU	NV250-CVU
		NV125-HVU	NV250-SVU
			NV250-HVU

Above products incorporating electronic circuit are required the immunity and emission tests for Electromagnetic Compatibility. Reference standard Nos. are EN60947-2:2006/A2:2013, Annex J.2 (immunity) and J.3 (emission).

Products: Table 5 Special purpose breakers

Model of products						
NF32-SV	NF63-CV	NF125-CV	NF125-SV	NF250-CV	NF250-SV	Mag Only (Instantaneous tripping circuit breakers)
NF63-SV	NF63-HV	NF125-HV		NF250-HV		
NF63-HRV						
NF63-SV		NF125-SV		NF250-SV		Special voltage DC 400VDC, 440VDC, 500VDC, 550VDC, 600VDC
		NF125-SV		NF250-SV		Thyristor protection
NF63-CV		NF125-CV				High-instantaneous (Transformer use)
		NF125-CV	NF125-SV	NF250-CV	NF250-SV	Low-instantaneous
				NF250-HV		
NF63-SVF	NF32-SV	NF125-SV		NF125-SV		MB (Motor protection IE1)
NF63-CV	NV63-SV					
NF32-SV	NF63-CV	NF125-SV		NF125-SV		PR (Motor protection IE3)
NV63-SV						
NF32-SV	NF63-CV	NF125-CV	NF125-SV	NF250-CV	NF250-SV	Low Temp. use
NF63-SV	NF63-HV	NF125-SGV	NF125-LGV	NF250-SGV	NF250-LGV	
NF63-HRV		NF125-HV	NF125-HGV	NF250-HV	NF250-HGV	
		NF125-RV	NF125-RGV	NF250-RV	NF250-RGV	
		NF125-UV	NF125-HDVA	NF250-UV	NF250-HDVA	
NV32-SV	NV63-CV	NV125-CV	NV125-SV	NV250-CV	NV250-SV	
NV63-SV	NV63-HV	NV125-HV		NV250-HV		Moisture-fungus treatment
NF32-SV	NF63-CV	NF125-CV	NF125-SV	NF250-CV	NF250-SV	
NF63-SV	NF63-HV	NF125-SGV	NF125-LGV	NF250-SGV	NF250-LGV	
NF63-HRV		NF125-HV	NF125-HGV	NF250-HV	NF250-HGV	
		NF125-RV	NF125-RGV	NF250-RV	NF250-RGV	
		NF125-UV	NF125-HDVA	NF250-UV	NF250-HDVA	
NV32-SV	NV63-CV	NV125-CV	NV125-SV	NV250-CV	NV250-SV	Corrosion resist
NV63-SV	NV63-HV	NV125-HV		NV250-HV		
NF32-SV	NF63-CV	NF125-CV	NF125-SV	NF250-CV	NF250-SV	
NF63-SV	NF63-HV	NF125-SGV	NF125-LGV	NF250-SGV	NF250-LGV	
NF63-HRV		NF125-HV	NF125-HGV	NF250-HV	NF250-HGV	
		NF125-RV	NF125-RGV	NF250-RV	NF250-RGV	
		NF125-UV	NF125-HDVA	NF250-UV	NF250-HDVA	
NV32-SV	NV63-CV	NV125-CV	NV125-SV	NV250-CV	NV250-SV	
NV63-SV	NV63-HV	NV125-HV		NV250-HV		

Above products not incorporating electronic circuit are not required the immunity and emission tests for Electromagnetic Compatibility.

Products: Table 6 Accessories

Kind of Accessory	Model of products	Remark
Alarm switch	AL	
Auxiliary switch	AX	
Alarm and Auxiliary switch	ALAX	
Shunt tripping device	SHT	
Under voltage tripping device	UVTN UVTS	UVTN:Non-synchronous type UVTS:Synchronous type
Electrical operation device	MDS	MDS: Electrical operation device of spring charge type
Measuring Display Unit	MDU	

Above products not incorporating electronic circuit are not required the immunity and emission tests for Electromagnetic Compatibility.

The conformity of the mentioned products with the regulations of the Directive 2014/35/EU for Low Voltage (LVD) and the Directive 2014/30/EU for Electromagnetic Compatibility (EMC) are shown by application of the Technical documentation. This is supported by selected product tests to the following LVD and EMC standards.

Harmonized European Standards:

Reference No. EN 60947-2:2017/A1:2020
EN 60947-5-1: 2017

IEC standard

Reference No. IEC 60947-2:2016/A1:2019
IEC 60947-5-1:2016

The Mitsubishi Technical documentation of WS-V series is stored at the following location:

Factory: Mitsubishi Electric Corporation, Fukuyama Works
Address: 1-8 Midorimachi, Fukuyama-city, Hiroshima, 720-8647 Japan

Manufacture Agent: Mitsubishi Electric Europe B. V.
Address: Mitsubishi-Electric-Platz 1, 40882 Ratingen, Germany