EU Declaration of Conformity

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

Manufacturer

Fuji Electric Co., Ltd.

5520, Minami Tamagaki-cho, Suzuka-city, Mie 513-8633, Japan

Product identification

Product: Inverter (FRENIC-MEGA) and Options

Brand: Fuji Electric

Model/type:

FRN0003G2S-2* to FRN0432G2S-2*, FRN0.4G2S-2* to FRN90G2S-2* FRN0003G2E-2* to FRN0432G2E-2*, FRN0.4G2E-2* to FRN90G2E-2* FRN0146G2H-2* to FRN0288G2H-2*, FRN30G2H-2* to FRN55G2H-2* FRN0002G2S-4* to FRN1386G2S-4*, FRN0.4G2S-4* to FRN630G2S-4* FRN0002G2E-4* to FRN1386G2E-4*, FRN0.4G2E-4* to FRN630G2E-4* FRN0075G2H-4* to FRN0150G2H-4*, FRN30G2H-4* to FRN55G2H-4*

OPC-AIO*, OPC-AO*, OPC-DI*, OPC-DO*, OPC-RY*, OPC-COP2*, OPC-CCL*, OPC-DEV*, OPC-PDP2*, OPC-SX*, OPC-TL*, OPC-ETH*, OPC-PRT*, OPC-ETM*, OPC-PG*, OPC-PG2*, OPC-PMPG*, OPC-RES*, TP-A2*, TP-E2*

*: may be followed by any letter(s) and/or number(s)

Above listed products are in accordance with the regulations of following council directives and their amendments.

Electromagnetic Compatibility Directive: 2014/30/EU
Low Voltage Directive: 2014/35/EU
Machinery Directive: 2006/42/EC
RoHS | Directive: 2011/65/EU

For assessment of conformity the following relevant standards have been taken into consideration.

EMC: EN 61800-3: 2004 + A1:2012

Electrical Safety: EN 61800-5-1: 2007

Functional Safety: EN 61800-5-2: 2017 SIL3, 2nd Environment,

EN ISO 13849-1: 2015 Cat.3 PLe

The conformity with regulations of the relevant standard has been, as far as required, certified by notified body of European Union.

Functional	al Notified body(Number) TÜV SÜD Product Service GmbH (01		
Safety:	Address	Ridlerstraße 65, 80339 München, Germany	
	Type-examination certificate number (Date of issue)	Z10 022471 0037 Rev. 00 (5th Jul. 2021)	
EMC:	Notified body(Number)	TÜV SÜD Product Service GmbH (0123)	

MC:	Notified body(Number)	TÜV SÜD Product Service GmbH (0123)
	Address	Ridlerstraße 65, 80339 München, Germany
	Type-examination certificate	E6A 022471 0035 Rev.00 (22nd Mar. 2021)
	number (Date of issue)	E6A 022471 0036 Rev.00 (22nd Mar. 2021)

Year of appending CE mark for LVD: 2021

Fuji Electric Co., Ltd. Suzuka factory

Place / Date: <u>Suzuka</u> 1 2021 - 7 - 16

A Nto

Osamu Ito

Senior Manager of Electronic Equipment Department

Fuji Electric

This declaration verifies the accordance with the mentioned standards, but retains no assurance of properties.

The safety- and installation instructions of the product documentation which is included in the shipping have to be considered.

NOMENCLATURE

FRN 0.4 G2 S - 2 xxxxxx

2 3 4 5

1. Motor output (kW or A)

Input voltage	kW	Α
	0.4	0003
	0.75	0005
	1.5	8000
	2.2	0011
	3.7	0018
	5.5	0032
	7.5	0046
	11	0059
	15	0075
	18.5	0088
	22	0115
	30	0146
	37	0180
200V	45	0215
class	55	0288
	75	0346
	90	0432

Input voltage	kW	Α
	0.4	0002
	0.75	0003
	1.5	0004
	2.2	0006
	3.7	0009
	5.5	0018
	7.5	0023
	11	0031
	15	0038
	18.5	0045
	22	0060
	30	0075
	37	0091
400V	45	0112
class	55	0150
	75	0180
	90	0216
	110	0260
	132	0325
	160	0377
	200	0432
	220	0520
	280	0650
	315	0740
	355	0960
	400	1040
	500	1170
	630	1386

- 2. Applicable field G2: FRENIC-MEGA (G2)
- 3. Enclosure
 - S: Basic type
 - E: EMC Filter integrated type
 - H: DC reactor integrated type(only 30-55kW)
- 4. Input voltage2: Three phase 200V to 240V class
 - 4: Three phase 380V to 480V class

- 5. Shipping destination / Manual language X: Blank, letter or numbers (*1)
 - *1 · · · Not related to EMC and Functional safety

