



Product Service

CERTIFICATE

No. Z10 15 12 22471 025

Holder of Certificate: Fuji Electric Co., Ltd.
5520, Minami Tamagaki-cho
Suzuka-shi
Mie
513-8633 JAPAN

Certification Mark:



Product: AC Servo Systems
AC Inverter

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition the certification holder must not transfer the certificate to third parties. See also notes overleaf.

Test report no.: FS86494T
717511264

Valid until: 2020-12-01

Date, 2015-12-02

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(Guido Neumann)



**CERTIFICATE****No. Z10 15 12 22471 025****Model(s): FRENIC-Lift**
For nomenclature see attachment

Parameters:

Protection class:	I
Overvoltage category:	III
Pollution degree:	2
Output	
Rated voltage:	380-480V 3AC 200-240V 1AC
Rated frequency:	50/60Hz
Rated current:	6.1A to 91.0A 11.0A, 18.0A
Rated Output:	
Real Power:	2.2kW to 45.0kW 2.2kW, 4.0kW
Apparent Power:	4.1kVA to 69.0kVA 4.1kVA, 6.8kVA
Safety Function:	STO (acc. to IEC 61800-5-2:2007 / EN 61800-5-2:2007)

The Lift Book Inverter can be used for replacement of contactors to stop the motor according EN81-1, chapter 12.7.3.a or EN81-2, chapter 12.4.1.a.

Tested according to:

2006/42/EC
IEC 61508-1(ed.2) (SIL 3)
IEC 61508-2(ed.2) (SIL 3)
IEC 61508-4(ed.2) (SIL 3)
EN 61508-1:2010 (SIL 3)
EN 61508-2:2010 (SIL 3)
EN 61508-4:2010 (SIL 3)
IEC 62061(ed.1);am1 (SILCL 3)
EN 62061:2005/A1:2013 (SILCL 3)
IEC 61800-5-2(ed.2) (SIL 3)
EN 61800-5-2:2007 (SIL 3)
ISO 13849-1:2006 (Cat.3, PL e)
EN ISO 13849-1:2006/AC:2009 (Cat.3, PL e)
IEC 61800-5-1(ed.2)
EN 61800-5-1:2007
IEC 61800-3(ed.2);am1
EN 61800-3:2004/A1:2012
EN 81-1:1998/A3:2009 Clause 12.7.3.a
EN 81-2:1998/A3:2009 Clause 12.4.1.a
EN 81-20:2014 Clause 5.9.2.5.4 d & 5.9.3.4.2 d
IEC 61326-3-1(ed.1)
EN 61326-3-1:2008
EN 12016:2013

Factory(ies): 90596, 92457

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**ATTACHMENT TO CERTIFICATE
No. Z10 15 12 22471 025**

Nomenclature of FRENIC-Lift

<u>FRN</u>	<u>xxxx</u>	<u>LM2</u>	<u>A</u>	-	<u>X</u>	<u>X</u>
i	ii		iii		iv	v

- i Series name**
FRN: FRENIC series
- ii Output rated current**
 - Three-phase 400V
 - 0006: 6.1 A
 - 0010: 10.0 A
 - 0015: 15.0 A
 - 0019: 18.5 A
 - 0025: 24.5 A
 - 0032: 32.0 A
 - 0039: 39.0 A
 - 0045: 45.0 A
 - 0060: 60.0 A
 - 0075: 75.0 A
 - 0091: 91.0 A

 - Single-phase 200V
 - 0011: 11.0 A
 - 0018: 18.0 A
- iii Enclosure**
A: Book type
- iv Power Supply Voltage**
 - 4: Three-phase 400V
 - 7: Single-phase 200V
- v Shipping destination / Instruction manual language**
A to Z or 0 to 9