



Product Service

# EC-Statement of Compliance

No. E6 14 10 22021 562

**Holder of Certificate:** Yaskawa Electric Corp.  
Tokyo Plant  
480 Kamifujisawa, Iruma  
Saitama 358-8555  
JAPAN

**Name of Object:** AC servo systems  
AC Servo Motor

**Model(s):** SGMMV series  
SGMMV-B3E\*\*\*\*, SGMMV-B5E\*\*\*\*,  
SGMMV-B9E\*\*\*\*,  
SGMMV-A1E\*\*\*\*, SGMMV-A2E\*\*\*\*,  
SGMMV-A3E\*\*\*\*,  
SGMMV-A1A\*\*\*\*, SGMMV-A2A\*\*\*\*,  
SGMMV-A3A\*\*\*\*,  
SGMMV-A1E\*\* J\*\*\*\*, SGMMV-A2E\*\* J\*\*\*\*,  
SGMMV-A3E\*\* J\*\*\*\*,  
SGMMV-A1A\*\* J\*\*\*\*, SGMMV-A2A\*\* J\*\*\*\*,  
SGMMV-A3A\*\* J\*\*\*\*  
(See Attachment for Nomenclature)

**Description of Object:**

Rated Voltage: 48 VDC, 200 VAC, 3 phase  
Rated Power: 3.3 to 30 W  
Protection Class: I  
EMC Classification: Group 1, Class A(EN 55011)  
EMI: category C2(EN 61800-3)  
EMS: second environment(EN 61800-3)

**Tested according to:**

EN 55011/A1:2010  
EN 61000-6-2:2005  
EN 61800-3/A1:2012

This EC-Statement of Compliance is issued according to the Directive 2004/108/EC relating to electromagnetic compatibility. It confirms that the listed apparatus complies with such aspects of the essential requirements of the EMC directive as specified by the manufacturer or his authorized representative in the European Community and applies only to the sample and its technical documentation submitted to TÜV SÜD Product Service GmbH for testing and certification. See also notes overleaf.

**Technical report no.:** 73550217

**Date,** 2014-10-28

( Johann Roidt )

TÜV SÜD Product Service GmbH is Notified Body to the Directive 2004/108/EC of the European Parliament and of the council with the identification number 0123.

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Product Service

Series Nomenclature

1)Standard

SGMMV - B3 E 2 A 2 1 K  
 a            b    c    d    e    f    g    h

Letters	Items	(Group)	
a	Motor type	SGMMV	

Letters	Items	(Group)	Rated Output[W]
b	Motor Output	B3	3.3
		B5	5.5
		B9	11
		A1	10
		A2	20
		A3	30

Letters	Items	(Group)	Power Supply Voltages[V]
c	Power Supply	E	48VDC
		A	200VAC (Motor output variation are only 3 types,A1, A2, and A3)

Letters	Items	(Group)	Design Revision Order
d	Encoder	2	17bit Serial Absolute Value

Letters	Items	(Group)	Design Revision Order
e	Design Revision Order	A	Standard

Letters	Items	(Group)	Shaft Type
f	Shaft Type	2	Straight (without keyway)
		A	Straight (with a flat key seat)

Letters	Items	(Group)	Optional Specifications
g	Optional Specifications	1	Without Option
		C	With Brake (24V) (Motor output variation are only 3 types,A1, A2, and A3)

Letters	Items	(Group)	Optional Specifications
h	Lead wire length Specification	Blank	300mm
		H	500mm
		J	1000mm
		K	1500mm

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2) With Gear(Motor output variation are only 3 types,A1, A2, and A3)

SGMMV - A1 E 2 AJ A 2 C K  
 a            b   c   d   e   f   g   h   i

Letters	Items	(Group)	
a	Motor type	SGMMV	

Letters	Items	(Group)	Rated Output[W]
b	Motor Output	A1	10
		A2	20
		A3	30

Letters	Items	(Group)	Power Supply Voltages [V]
c	Power Supply	E	48VDC
		A	200VAC

Letters	Items	(Group)	Design Revision Order
d	Encoder	2	17bit Serial Absolute Value

Letters	Items	(Group)	Design Revision Order
e	Design Revision Order	AJ	With Gear

Letters	Items	(Group)	Reduction Ratio
f	Reduction Ratio	1 or A	1/5
		2 or B	1/16
		3 or C	1/25

Letters	Items	(Group)	Shaft Type
g	Shaft Type	0	Flange Type (without keyway)
		2	Straight (without keyway)
		6	Straight (with keyway and tapped hole)
		8	Straight (tapped hole)

Letters	Items	(Group)	Optional Specifications
h	Optional Specifications	1	Without Option
		C	With Brake (24V)

Letters	Items	(Group)	Lead wire length Specification
i	Lead wire length Specification	Blank	300mm
		H	500mm
		J	1000mm
		K	1500mm



3) Exclusive design for customer

SGMMV - B3 E 2 A - \* \* \* \*  
 a b c d e f g h i

Letters	Items	(Group)	
a	Motor type	SGMMV	

Letters	Items	(Group)	Rated Output[W]
b	Motor Output	B3	3.3
		B5	5.5
		B9	11
		A1	10
		A2	20
		A3	30

Letters	Items	(Group)	Power Supply Voltages[V]
c	Power Supply	E	48VDC
		A	200VAC (Motor output variation are only 3 types,A1, A2, and A3)

Letters	Items	(Group)	Design Revision Order
d	Encoder	2	17bit Serial Absolute Value

Letters	Items	(Group)	Design Revision Order
e	Design Revision Order	A	Standard
		K	Rating specifications, IP specifications, encoder and/or connector are changed for standard.
		AJ	With Gear (Motor output variation are only 3 types,A1, A2, and A3)
		KJ	With gear Rating specifications, IP specifications, encoder and/or connector are changed for standard. (Motor output variation are only 3 types,A1, A2, and A3)

Letters	Items	(Group)	Customer Code
f,g	Customer Code	-	-

Letters	Items	(Group)	Customer Code
h,i	Design Revision Order For Customer	-	-