



Product Service

EC-Statement of Compliance

No. E6 14 09 22021 564

Holder of Certificate: Yaskawa Electric Corp.
Tokyo Plant

480 Kamifujisawa, Iruma
Saitama 358-8555
JAPAN

Name of Object: AC Servo Systems
AC Servo Motor

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.: 73550215



Date, 2014-09-26

(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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Model(s):

SGMAV, SGMJV, SGMEV series
 SGMAV-A5Axxxxxxx, SGMAV-A8Axxxxxxx,
 SGMAV-01Axxxxxxx, SGMAV-C2Axxxxxxx,
 SGMAV-02Axxxxxxx, SGMAV-04Axxxxxxx,
 SGMAV-06Axxxxxxx, SGMAV-08Axxxxxxx,
 SGMAV-10Axxxxxxx, SGMJV-A5Axxxxxxx,
 SGMJV-A8Axxxxxxx, SGMJV-01Axxxxxxx,
 SGMJV-02Axxxxxxx, SGMJV-04Axxxxxxx,
 SGMJV-08Axxxxxxx, SGMJV-C2Axxxxxxx,
 SGMJV-06Axxxxxxx, SGMJV-xxAxBxxxxx,
 SGMJV-xxAxCxxxxx, SGMJV-xxAxDxxxxx,
 SGMJV-xxAxExxxxx, SGMJV-xxAxLxxxxx,
 SGMJV-xxAxMxxxxx,
 SGMEV-01Axxxxxxx, SGMEV-02Axxxxxxx,
 SGMEV-04Axxxxxxx, SGMEV-08Axxxxxxx,
 SGMEV-15Axxxxxxx, SGMEV-02Dxxxxxxx,
 SGMEV-03Dxxxxxxx, SGMEV-04Dxxxxxxx,
 SGMEV-07Dxxxxxxx, SGMEV-08Dxxxxxxx,
 SGMEV-15Dxxxxxxx
 (See Attachment for Nomenclature)

Description of Object:

Rated Voltage: 200 VAC (SGMAV, SGMJV, SGMEV)
 400 VAC (SGMEV)
 Rated Power: 50 W - 1,000 W (SGMAV)
 50 W - 750 W (SGMJV)
 100 W - 1,500 W (SGMEV)
 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



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1. Nomenclature:

1) Standard

SGMAV - 01 A D A 2 1 -OY
 a b c d e f g h

Letters	Items	(Group)	
a	Motor type	SGMAV	

Letters	Items	(Group)	Rated Output[W]
b	Motor Output	A5	50
		A8	80
		01	100
		C2	150
		02	200
		04	400
		06	550
		08	750
		10	1000

Letters	Items	(Group)	Power Supply Voltages[Vrms]
c	Power Supply	A	200

Letters	Items	(Group)	Encoder Type
d	Encoder	D	20bit Serial Incremental
		3	20bit Serial Absolute Value
		6	20bit Serial Absolute Value with Built-in Capacitor

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

Letters	Items	(Group)	Shaft Type
f	Shaft Type	2	Straight (without keyway)
		6	Straight (with keyway and tapped hole)
		8	Straight (tapped hole)
		B	Straight (with double flat key seat)
		S	Straight (without keyway(φ6 or φ16))
		K	Straight (with keyway and tapped hole (φ6 or φ16))

Letters	Items	(Group)	Optional Specifications
g	Optional Specifications	1	Without Option
		C	With Brake (24V)
		S	With Shaft Seal
		E	With Brake (24V) and Shaft Seal

Letters	Items	(Group)	Optional Specifications
h	Additional type	Blank	Standard
		-OY	Standard



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2) With Gear

SGMAV - 01 A D AH 1 2 C -OY
a b c d e f g h i

Letters	Items	(Group)	
a	Motor type	SGMAV	

Letters	Items	(Group)	Rated Output[W]
b	Motor Output	A5	50
		A8	80
		01	100
		C2	150
		02	200
		04	400
		06	550
		08	750
		10	1000

Letters	Items	(Group)	Power Supply Voltages [Vrms]
c	Power Supply	A	200

Letters	Items	(Group)	Encoder Type
d	Encoder	D	20bit Serial Incremental
		3	20bit Serial Absolute Value
		6	20bit Serial Absolute Value with Built-in Capacitor

Letters	Items	(Group)	Design Revision Order
e	Design Revision Order	AH	With Non-backlash Gear

Letters	Items	(Group)	Reduction Ratio
f	Reduction Ratio	1	1/5
		2	1/9
		7	1/33
		B	1/11
		C	1/21

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)
		S	Straight (without keyway(φ 6 or φ 16))
		K	Straight (with keyway and tapped hole (φ 6 or φ 16))

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

Letters	Items	(Group)	Optional Specifications
i	Additional type	Blank	Standard
		-OY	Standard



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3) Exclusive Design for Customer

SGMAV - 01 A D AH - * * * *
 a b c d e f g h i

Letters	Items	(Group)	
a	Motor type	SGMAV	

Letters	Items	(Group)	Rated Output[W]
b	Motor Output	A5	50
		A8	80
		01	100
		C2	150
		02	200
		04	400
		06	550
		08	750
		10	1000

Letters	Items	(Group)	Power Supply Voltages [Vrms]
c	Power Supply	A	200

Letters	Items	(Group)	Encoder Type
d	Encoder	D	20bit Serial Incremental
		3	20bit Serial Absolute Value
		6	20bit Serial Absolute Value with Built-in Capacitor
		P	20bit Serial Absolute Value(Safety feature)

Letters	Items	(Group)	Design Revision Order
e	Design Revision Order	A	Standard
		AH	With Non-backlash Gear
		K	Rating specifications, IP specifications, encoder and/or connector are changed for standard.
		KH	With non-backlash gear Rating specifications, IP specifications, encoder and/or connector are changed for standard.

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

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



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2. Nomenclature:

1) Standard

SGMJV - 01 A D A 2 1 -OY
 a b c d e f g h

Letters	Items	(Group)	
a	Motor type	SGMJV	

Letters	Items	(Group)	Rated Output[W]
b	Motor Output	A5	50
		A8	80
		01	100
		02	200
		C2	150
		04	400
		06	600
		08	750

Letters	Items	(Group)	Power Supply Voltages[Vrms]
c	Power Supply	A	200

Letters	Items	(Group)	Encoder Type
d	Encoder	A	13bit Serial Incremental
		D	20bit Serial Incremental
		3	20bit Serial Absolute Value
		6	20bit Serial Absolute Value with Built-in Capacitor

Letters	Items	(Group)	Design Revision Order
e	Design Revision Order	A	Standard
		B	Standard, built-in encoder type.
		C	Standard for China Motor output variation are only 4 types, 01, 02, 04, 08.
		D	Standard for China, segment magnet type. Motor output variation are only 4 types, 01, 02, 04, 08.
		E	Standard for China Motor output variation are only 4 types, 01, 02, 04, 08.
		L	Standard for Korea Motor output variation are only 5 types, A5, 01, 02, 04, 08.
M	Standard for any country(exclude for China, Korea and Japan) Motor output variation are only 5 types, A5, 01, 02, 04, 08.		

Letters	Items	(Group)	Shaft Type
f	Shaft Type	2	Straight (without keyway)
		6	Straight (with keyway and tapped hole)
		8	Straight (tapped hole)
		B	Straight (with double flat key seat)

Letters	Items	(Group)	Optional Specifications
g	Optional Specifications	1	Without Option
		C	With Brake (24V) ※Except for Design Revision Order "B"
		S	With Shaft Seal
		E	With Brake (24V) and Shaft Seal ※Except for Design Revision Order "B"



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Letters	Items	(Group)	Optional Specifications
h	Additional type	Blank	Standard
		-OY	Standard

2) With Gear

SGMJV - 01 A D AH 1 2 C -OY
a b c d e f g h i

Letters	Items	(Group)	
a	Motor type	SGMJV	

Letters	Items	(Group)	Rated Output[W]
b	Motor Output	A5	50
		A8	80
		01	100
		C2	150
		02	200
		04	400
		06	600
		08	750

Letters	Items	(Group)	Power Supply Voltages [Vrms]
c	Power Supply	A	200

Letters	Items	(Group)	Encoder Type
d	Encoder	A	13bit Serial Incremental
		D	20bit Serial Incremental
		3	20bit Serial Absolute Value
		6	20bit Serial Absolute Value with Built-in Capacitor

Letters	Items	(Group)	Design Revision Order
e	Design Revision Order	AH	With Non-backlash Gear
		BH	With Non-backlash Gear, built-in encoder type.
		CH	With Non-backlash Gear for China Motor output variation are only 4 types, 01, 02, 04, 08.
		DH	With Non-backlash Gear for China, segment magnet type. Motor output variation are only 4 types, 01, 02, 04, 08.
		EH	With Non-backlash Gear for China Motor output variation are only 4 types, 01, 02, 04, 08.
		LH	With Non-backlash Gear for Korea Motor output variation are only 5 types, A5, 01, 02, 04, 08.
		MH	With Non-backlash Gear for any country (exclude for China, Korea and Japan) Motor output variation are only 5 types, A5, 01, 02, 04, 08.

Letters	Items	(Group)	Reduction Ratio
f	Reduction Ratio	1	1/5
		2	1/9
		7	1/33
		B	1/11
		C	1/21

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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) ※Except for Design Revision Order "BH".

Letters	Items	(Group)	Optional Specifications
i	Additional type	Blank	Standard
		-OY	Standard



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3) Exclusive Design for Customer

SGMJV - 01 A D AH - * * * *
 a b c d e f g h i

Letters	Items	(Group)	
a	Motor type	SGMJV	

Letters	Items	(Group)	Rated Output[W]
b	Motor Output	A5	50
		A8	80
		01	100
		C2	150
		02	200
		04	400
		06	600
		08	750

Letters	Items	(Group)	Power Supply Voltages [Vrms]
c	Power Supply	A	200

Letters	Items	(Group)	Encoder Type
d	Encoder	A	13bit Serial Incremental
		D	20bit Serial Incremental
		3	20bit Serial Absolute Value
		6	20bit Serial Absolute Value with Built-in Capacitor
		P	20bit Serial Absolute Value(Safety feature)

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Letters	Items	(Group)	Design Revision Order
e	Design Revision Order	A	Standard
		B	Standard, built-in encoder type.
		C	Standard for China Motor output variation are only 4 types,01, 02, 04, 08.
		D	Standard for China, segment magnet type. Motor output variation are only 4 types,01, 02, 04, 08.
		E	Standard for China Motor output variation are only 4 types, 01, 02, 04, 08.
		L	Standard for Korea Motor output variation are only 5 types, A5, 01, 02, 04, 08.
		M	Standard for any country(exclude for China, Korea and Japan) Motor output variation are only 5 types, A5, 01, 02, 04, 08.
		AH	With Non-backlash Gear
		BH	With Non-backlash Gear, built-in encoder type.
		CH	With Non-backlash Gear for China Motor output variation are only 4 types,01, 02, 04, 08.
		DH	With Non-backlash Gear for China, segment magnet type. Motor output variation are only 4 types,01, 02, 04, 08.
		EH	With Non-backlash Gear for China Motor output variation are only 4 types, 01, 02, 04, 08.
		LH	With Non-backlash Gear for Korea Motor output variation are only 5 types, A5, 01, 02, 04, 08.
		MH	With Non-backlash Gear for any country (exclude for China, Korea and Japan) Motor output variation are only 5 types, A5, 01, 02, 04, 08.
		K	Rating specifications, IP specifications, encoder and/or connector are changed for standard.
KH	With non-backlash gear Rating specifications, IP specifications, encoder and/or connector are changed for standard.		

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

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



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Statement No. **E6 14 09 22021 564**

Nomenclature:

1)Standard

SGMEV - 01 A D A 2 1 H -OY
 a b c d e f g h i

Letters	Items	(Group)	
a	Motor type	SGMEV	

Letters	Items	(Group)	Rated Output[W]
	Motor Output	01	100(Only 200V)
		02	200
		03	300(Only 400V)
		04	400
		07	650(Only 400V)
		08	750
		15	1500

Letters	Items	(Group)	Power Supply Voltages[Vrms]
c	Power Supply	A	200
		D	400

Letters	Items	(Group)	Encoder Type
d	Encoder	D	20bit Serial Incremental
		3	20bit Serial Absolute Value
		6	20bit Serial Absolute Value with Built-in Capacitor

Letters	Items	(Group)	Design Revision Order
e	Design Revision Order	A	Standard
		E	Drip proof provision

Letters	Items	(Group)	Shaft Type
f	Shaft Type	2	Straight (without keyway)
		6	Straight (with keyway and tapped hole)
		8	Straight (tapped hole)
		B	Straight (with double flat key seat)

Letters	Items	(Group)	Optional Specifications
g	Optional Specifications	1	Without Option
		C	With Brake (24V)
		S	With Shaft Seal
		E	With Brake (24V) and Shaft Seal

Letters	Items	(Group)	Optional Specifications
h	Lead Length	Blank	300mm(Standard)
		H	500mm
		J	1000mm
		K	1500mm

Letters	Items	(Group)	Optional Specifications
i	Additional type	Blank	Standard
		-OY	Standard



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2) With Gear

SGMEV - 01 A D AH 1 2 C H -OY
a b c d e f g h i j

Letters	Items	(Group)	
a	Motor type	SGMEV	

Letters	Items	(Group)	Rated Output[W]
b	Motor Output	01	100(Only 200V)
		02	200
		03	300(Only 400V)
		04	400
		07	650(Only 400V)
		08	750
		15	1500

Letters	Items	(Group)	Power Supply Voltages [Vrms]
c	Power Supply	A	200
		D	400

Letters	Items	(Group)	Encoder Type
d	Encoder	D	20bit Serial Incremental
		3	20bit Serial Absolute Value
		6	20bit Serial Absolute Value with Built-in Capacitor

Letters	Items	(Group)	Design Revision Order
e	Design Revision Order	AH	With Non-backlash Gear
		EH	With Non-backlash Gear And Drip proof provision

Letters	Items	(Group)	Reduction Ratio
f	Reduction Ratio	1	1/5
		2	1/9
		7	1/33
		B	1/11
		C	1/21

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)	Optional Specifications
i	Lead Length	Blank	300mm(Standard)
		H	500mm
		J	1000mm
		K	1500mm

Letters	Items	(Group)	Optional Specifications
j	Additional type	Blank	Standard
		-OY	Standard



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3) Exclusive Design for Customer

SGMEV - 01 A D AH - * * * *
 a b c d e f g h i

Letters	Items	(Group)	
a	Motor type	SGMEV	

Letters	Items	(Group)	Rated Output[W]
b	Motor Output	01	100(Only 200V)
		02	200
		03	300(Only 400V)
		04	400
		07	650(Only 400V)
		08	750
		15	1500

Letters	Items	(Group)	Power Supply Voltages [Vrms]
c	Power Supply	A	200
		D	400

Letters	Items	(Group)	Encoder Type
d	Encoder	D	20bit Serial Incremental
		3	20bit Serial Absolute Value
		6	20bit Serial Absolute Value with Built-in Capacitor

Letters	Items	(Group)	Design Revision Order
e	Design Revision Order	A	Standard
		E	Drip proof provision
		AH	With Non-backlash Gear
		EH	With Non-backlash Gear and Drip proof provision
		K	Rating specifications, IP specifications, encoder and/or connector are changed for standard. Drip proof provision
		M	Rating specifications, IP specifications, encoder and/or connector are changed for standard.
		MH	With non-backlash gear Rating specifications, IP specifications, encoder and/or connector are changed for standard. Drip proof provision Rating specifications, IP specifications, encoder and/or connector are changed for standard.

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

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