



Product Service

# EU-Type Examination Certificate

No. E6A 16 11 22021 696

**Holder of Certificate:** **Yaskawa Electric Corp.**  
**Tokyo Plant**

480 Kamifujisawa, Iruma  
Saitama 358-8555  
JAPAN

**Product:** **AC Servo Systems**  
**AC SERVO MOTOR DIRECT DRIVE Sigma Series**

**Model(s):** **SGMCMV Type, SGM7F Type**  
**(See Attachment for Nomenclature)**

**Description of Object:**

Rated Voltage: 200 VAC  
 Rated Frequency: 50 Hz  
 Rated Power: 63 W to 1,100 W, 3 Phase  
 Protection Class: I  
 EMC Classification: Group 1, Class A(EN 55011)  
 EMI: Category C2,  
 EMS: Second environment(EN 61800-3)

**Tested according to:**

EN 55011:2009/A1:2010  
 EN 61000-6-2:2005  
 EN 61000-6-4:2007/A1:2011  
 EN 61800-3:2004/A1:2012

This EU-Type Examination Certificate is issued according to the Directive 2014/30/EU relating to electromagnetic compatibility. It confirms that the listed apparatus complies with such aspects of the 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 for testing and certification. This Type Examination does not contain any statements pertaining to the EMC protection requirements governed by other laws which serve to implement EU Directives other than the aforementioned Directive 2014/30/EU. See also notes overleaf.

**Evaluation Report No.:** 73561004



**Date,** 2016-11-28 ( Johann Roidt )

TÜV SÜD Product Service GmbH is notified Body to the Directive 2014/30/EU relating to electromagnetic compatibility with the identification number 0123.

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1. Certified models list:

SERVO MOTOR	Voltage	Phases	Rated Current [A <sub>rms</sub> ]	Rated Output [W]	Rated Torque [N·m]
SGM7F-02Axxx	200V <sub>AC</sub>	3	1.6	63	2.0
SGM7F-05Axxx			1.8	157	5.0
SGM7F-07Axxx			2.0	220	7.0
SGM7F-04Bxxx			2.0	126	4.0
SGM7F-10Bxxx			2.8	314	10.0
SGM7F-14Bxxx			4.6	440	14.0
SGM7F-08Cxxx			2.4	251	8.0
SGM7F-17Cxxx			4.5	534	17.0
SGM7F-25Cxxx			4.5	733~785	25.0
SGM7F-16Dxxx			5.0	503	16.0
SGM7F-35Dxxx			5.0	1100	35.0
SGM7F-02Axxx			200V <sub>AC</sub>	3	1.7
SGM7F-05Axxx	1.8	157			5.0
SGM7F-07Axxx	2.1	220			7.0
SGM7F-04Bxxx	2.0	126			4.0
SGM7F-10Bxxx	2.8	314			10.0
SGM7F-14Bxxx	4.6	440			14.0
SGM7F-08Cxxx	2.4	251			8.0
SGM7F-17Cxxx	4.5	534			17.0
SGM7F-25Cxxx	4.5	785			25.0
SGM7F-16Dxxx	5.0	503			16.0
SGM7F-35Dxxx	5.0	1100			35.0

"x" represents variations in model number as described in product covered and series nomenclature which do not affect electrical construction or rating. Refer to "Series Nomenclature".

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2. Series Nomenclature:

1) Standard

SGMCV - 02 A E A 1 1  
a b c d e f g

Letters	Items	(Group)	
a	Motor type	SGMCV	

Letters	Items	(Group)	Rated Torque[N·m]
b	Rated Torque	02	2.0
		05	5.0
		07	7.0
		04	4.0
		10	10.0
		14	14.0
		08	8.0
		17	17.0
		25	25.0
		16	16.0
35	35.0		

Letters	Items	(Group)	Motor Outer Diameter [mm]
c	Motor Outer Diameter	A	100 dia.
		B	135 dia.
		C	175 dia.
		D	230 dia.

Letters	Items	(Group)	Encoder
d	Encoder	E	22bit Serial Absolute Value (Single turn)
		I	22bit Serial Absolute Value (Multi turn)

Letters	Items	(Group)	Design Revision Order
e	Design Revision Order	A	Manufactured in Japan
		M	Manufactured in U.S.A.

Letters	Items	(Group)	Connector Position
f	Connector Position	1	Surface of Non-load
		4	Surface of side

Letters	Items	(Group)	Optional Specifications
g	Optional Specifications	1	Without Option
		5	High Precision

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SGM7F - 04 B F A 1 1  
 a b c d e f g

Letters	Items	(Group)	
a	Motor type	SGM7F	

Letters	Items	(Group)	Rated Torque[N·m]
b	Rated Torque	02	2.0
		05	5.0
		07	7.0
		04	4.0
		10	10.0
		14	14.0
		08	8.0
		17	17.0
		25	25.0
		16	16.0
		35	35.0

Letters	Items	(Group)	Motor Outer Diameter [mm]
c	Motor Outer Diameter	A	100 dia.
		B	135 dia.
		C	175 dia.
		D	230 dia.

Letters	Items	(Group)	Encoder
d	Encoder	F	24bit Serial Incremental
		7	24bit Serial Absolute Value

Letters	Items	(Group)	Design Revision Order
e	Design Revision Order	A	Manufactured in Japan
		M	Manufactured in U.S.A.

Letters	Items	(Group)	Connector Position
f	Connector Position	1	Surface of Non-load
		4	Surface of side

Letters	Items	(Group)	Optional Specifications
g	Optional Specifications	1	Without Option
		2	High Precision

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2) Exclusive design for customer

SGMCV - 02 A E A - \* \* \* \*  
 a b c d e f g h i

Letters	Items	(Group)	
a	Motor type	SGMCV	

Letters	Items	(Group)	Rated Torque[N·m]
b	Motor Output	02	2.0
		05	5.0
		07	7.0
		04	4.0
		10	10.0
		14	14.0
		08	8.0
		17	17.0
		25	25.0
		16	16.0
35	35.0		

Letters	Items	(Group)	Motor Outer Diameter [mm]
c	Motor Outer Diameter	A	100 dia.
		B	135 dia.
		C	175 dia.
		D	230 dia.

Letters	Items	(Group)	Encoder
d	Encoder	E	22bit Serial Absolute Value (Single turn)
		I	22bit Serial Absolute Value (Multi turn)

Letters	Items	(Group)	Design Revision Order
e	Design Revision Order	A	Manufactured in Japan
		K	Manufactured in Japan. Rating specifications, IP specifications are lower than "A". Encoder and/or connector are changed for "A".
		M	Manufactured in U.S.A.

Letters	Items	(Group)	Customer Code
f, g	Customer Code	**	Put any 2 digits alphanumeric

Letters	Items	(Group)	Design Revision Order For Customer
h, i	Design Revision Order For Customer	**	Put any 2 digits alphanumeric

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SGM7F - 04 B F A - \* \* \* \*  
 a b c d e f g h i

Letters	Items	(Group)	
a	Motor type	SGM7F	

Letters	Items	(Group)	Rated Torque[N·m]
b	Motor Output	02	2.0
		05	5.0
		07	7.0
		04	4.0
		10	10.0
		14	14.0
		08	8.0
		17	17.0
		25	25.0
		16	16.0
35	35.0		

Letters	Items	(Group)	Motor Outer Diameter [mm]
c	Motor Outer Diameter	A	100 dia.
		B	135 dia.
		C	175 dia.
		D	230 dia.

Letters	Items	(Group)	Encoder
d	Encoder	F	24bit Serial Incremental
		7	24bit Serial Absolute Value

Letters	Items	(Group)	Design Revision Order
e	Design Revision Order	A	Manufactured in Japan
		K	Manufactured in Japan. Rating specifications, IP specifications are lower than "A". Encoder and/or connector are changed for "A".
		M	Manufactured in U.S.A.

Letters	Items	(Group)	Customer Code
f, g	Customer Code	**	Put any 2 digits alphanumeric

Letters	Items	(Group)	Design Revision Order For Customer
h, i	Design Revision Order For Customer	**	Put any 2 digits alphanumeric