



Product Service

# EC-Statement of Compliance

No. E6 15 03 22021 581

**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):** SGMSS Series (Sigma-III Type B)  
 SGMSS-10A\*\*\*\*\*, SGMSS-15A\*\*\*\*\*,  
 SGMSS-20A\*\*\*\*\*, SGMSS-25A\*\*\*\*\*,  
 SGMSS-30A\*\*\*\*\*, SGMSS-40A\*\*\*\*\*,  
 SGMSS-50A\*\*\*\*\*, SGMSS-70A\*\*\*\*\*,  
 SGMSS-15\*\*\*\*\*-Y2, SGMSS-20\*\*\*\*\*-Y2,  
 SGMSS-15\*\*\*\*\*-Y3, SGMSS-20\*\*\*\*\*-Y3,  
 SGMSS-30\*\*\*\*\*-Y3  
 (See Attachment for Nomenclature)

**Description of Object:**

Rated Voltage: 200 VAC  
 Rated Power: 1 kW - 7 kW  
 Protection Class: I  
 EMC Classification: Group 1, Class A (EN 55011)

**Tested according to:** EN 55011:2009/A1:2010  
 EN 61000-6-2:2005

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.:** 73551652

**Date,** 2015-03-30

*(Signature)*  
(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.

## Nomenclature

### Σ-III SGMSS Series

#### 1. MODEL DESCRIPTION

##### 1.1 PRODUCT COVERED:

Component-AC Servo Motors, Series SGMSS followed by any number from 10 to 70, followed by 2, C, and so on, followed by A, may be followed by additional letters and/or numbers.

##### 1.2 ELECTRICAL RATINGS:

<u>Model</u>	<u>Voltage</u>	<u>Phases</u>	<u>Watts (kW)</u>
S G M S S -10AxAxxx	200	3	1.0
S G M S S -15AxAxxx	200	3	1.5
S G M S S -20AxAxxx	200	3	2.0
S G M S S -25AxAxxx	200	3	2.5
S G M S S -30AxAxxx	200	3	3.0
S G M S S -40AxAxxx	200	3	4.0
S G M S S -50AxAxxx	200	3	5.0
S G M S S -70AxAxxx	200	3	7.0

“X” represents Variations in model number as described in product covered and series nomenclature which do not affect electrical construction or rating. Reference Product Covered” or “Series Nomenclature”.



1.3 Nomenclature

1.3.1 Standard

SGMSS -  $\frac{10}{a} \frac{A}{b} \frac{\square}{c} \frac{A}{d} \frac{\square}{e} \frac{\square}{f} \frac{-E}{g} \frac{\square}{h}$

- a. Motor Series:SGMSS
- b. Motor Output(kW)

Series	SGMSS
Rated Speed	(r/min.)
	3000
10	1.0
15	1.5
20	2.0
25	2.5
30	3.0
40	4.0
50	5.0
70	7.0

- c. Supply Voltage and Structure which of Encoder's shaft connect to Motor's shaft.

SGMSS-10

Symbol	Supply Voltage	Structure which of Encoder's shaft connect to Motor's shaft
A	200V	Encoder's shaft connect direct Motor's shaft
P		Encoder's shaft connect to Motor's shaft by Flexible coupling

SGMSS-15~70

Symbol	Supply Voltage	Structure which of Encoder's shaft connect to Motor's shaft
A	200V	Encoder's shaft connect to Motor's shaft by Flexible coupling

- d. Detector:

Symbol	Contents
C	Incremental(17bit)
2	Absolute value(17bit)
3	Absolute value(20bit)
5	Absolute value(17bit) With Super Capacitor

Attachment

Statement No. **E6 15 03 22021 581**



Product Service

e. Design Revision Order

A: The Standard (Rated Speed  $3000 \text{ min}^{-1}$ , Peak Torque 300%)

V: Winding is the same as a standard. The characteristic is different.

W: Winding and the characteristic differ from a standard.

f. Shaft Type:

Symbol	Contents
2	Straight
4	Straight, without key
6	Straight, with key and Tap
3	1/10 Conical shaft ends, With Sunk Key
5	1/10 Conical shaft ends, With Woodruff Key
8	Straight, with tap

g. Optional parts:

Symbol	Contents
F	With oil seal (V type)
G	With oil seal (V type) and with holding brake (DC90V)
H	With oil seal (V type) and with holding brake (DC24V)
D	With oil seal (S type) and with holding brake (DC90V)
E	With oil seal (S type) and with holding brake (DC24V)
S	With oil seal (S type)
1	Without option
B	With holding brake (DC90V)
C	With holding brake (DC24V)

h. Motor for RoHS directive (Optional)

Attachment  
Statement No. **E6 15 03 22021 581**



Product Service

1.3.2 Exclusive Design for Customer (Case 1)

SGMSS - 10 A □ A - □ □ □ □ -E  
a        b c d e f g h i j

a to e.same as standard

f,g.Customer Code

h,i.Design Revision Order for Customer

j.Motor for RoHS directive(Optional)

1.3.3 Exclusive Design for Customer (Case 2)

SGMSS - 10 A □ A □ □ - □ □ -E  
a        b c d e f g h i j

a to g. same as standard

h. Customer Code

i. Design Revision Order for Customer

j. Motor for RoHS directive(Optional)