



Product Service

EC-Statement of Compliance

No. E6 12 07 22021 461

Holder of Certificate: Yaskawa Electric Corp.
Tokyo Plant480 Kamifujisawa, Iruma
Saitama 358-8555
JAPAN**Name of Object:** Servo Motor
AC Servo Motor**Model(s):** SGMCS Series:
SGMCS-02B***** , SGMCS-10C3A-MB11,
SGMCS-05B***** , SGMCS-17D3A-MB11,
SGMCS-07B***** , SGMCS-35E3A-MB11,
SGMCS-04C***** , SGMCS-08DDA-TE12,
SGMCS-10C***** , SGMCS-14C3B-NT21,
SGMCS-14C***** , SGMCS-05B3B-NT11,
SGMCS-08D***** , SGMCS-14C3B-NT12,
SGMCS-17D***** , SGMCS-25D3B-NT11,
SGMCS-25D***** , SGMCS-17D3B-MB21,
SGMCS-16E***** ,
SGMCS-35E*****
(See Attachment for Nomenclature)**Description of Object:**Rated Voltage: 200 VAC
Rated Power: 200 W - 750 W
Protection Class : I
EMC Classification: Group 1, Class A(EN 55011/A1)**Tested according to:** EN 55011/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.: 73538137**Date,** 2012-07-02 (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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1.SGMCS TYPE

1.1 MODEL DESCRIPTION

1.1.1 PRODUCT COVERED:

STANDARD

Component-AC Servo Motors, Series SGMCS, followed By any number from 02B to 35E, followed by 3 or D, followed by A or B or C, followed by 1 or 2 or 4, followed by 1 and so on, may be followed by additional letters and or numbers.

1.1.2. ELECTRICAL RATINGS:

| Model | Voltage | Phases | Amps | Watts(w) | Torque(N-m) | Back EMF/Phases (mVrms/min ⁻¹) |
|-----------------|---------|--------|------|----------|-------------|--|
| SGMCS-02Bxxxx-x | 200 | 3 | 1.9 | 42 | 2 | 44.5 |
| SGMCS-02BxCxx-x | 200 | 3 | 1.8 | 42 | 2 | 41.2 |
| SGMCS-05Bxxxx-x | 200 | 3 | 1.8 | 105 | 5 | 109 |
| SGMCS-05BxCxx-x | 200 | 3 | 1.7 | 105 | 5 | 111 |
| SGMCS-07Bxxxx-x | 200 | 3 | 1.4 | 147 | 7 | 192 |
| SGMCS-07BxCxx-x | 200 | 3 | 1.4 | 147 | 7 | 190 |
| SGMCS-04Cxxxx-x | 200 | 3 | 2.1 | 84 | 4 | 75.3 |
| SGMCS-04CxCxx-x | 200 | 3 | 2.2 | 84 | 4 | 71.3 |
| SGMCS-10Cxxxx-x | 200 | 3 | 2.0 | 209 | 10 | 194 |
| SGMCS-10CxCxx-x | 200 | 3 | 2.2 | 209 | 10 | 176 |
| SGMCS-14Cxxxx-x | 200 | 3 | 2.0 | 293 | 14 | 265 |
| SGMCS-14CxCxx-x | 200 | 3 | 2.8 | 293 | 14 | 188 |
| SGMCS-08Dxxxx-x | 200 | 3 | 2.1 | 168 | 8 | 156 |
| SGMCS-08DxCxx-x | 200 | 3 | 1.9 | 168 | 8 | 178 |
| SGMCS-17Dxxxx-x | 200 | 3 | 2.3 | 356 | 17 | 289 |
| SGMCS-17DxCxx-x | 200 | 3 | 2.5 | 356 | 17 | 272 |
| SGMCS-25Dxxxx-x | 200 | 3 | 2.7 | 393 | 25 | 358 |
| SGMCS-25DxCxx-x | 200 | 3 | 2.6 | 393 | 25 | 377 |
| SGMCS-16Exxxx-x | 200 | 3 | 3.3 | 335 | 16 | 195 |
| SGMCS-35Exxxx-x | 200 | 3 | 3.5 | 550 | 35 | 388 |

“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”.

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1.1.3. SERIES NOMENCLATURE:

1)Standard

SGMCS - 02B 3 A 1 1 -E
a b c d e f g

- a. Motor Type: Direct Drive SIGMA Series SGMCS Type
- b. Motor Output:
- | |
|--------------|
| 02B-0.042 kW |
| 05B-0.105 kW |
| 07B-0.147 kW |
| 04C-0.084 kW |
| 10C-0.209 kW |
| 14C-0.293 kW |
| 08D-0.168 kW |
| 17D-0.356 kW |
| 25D-0.393 kW |
| 16E-0.335 kW |
| 35E-0.550 kW |
- c. Encoder Spec.:
- | |
|---------------------------------|
| D-Incremental(20 bit serial) |
| 3-Absolute Value(20 bit serial) |
- d. Design Revision Order:
- | |
|--|
| A-Standard(Crossed Roller Bearing) |
| B-Standard(Angular Contact Ball Bearing) |
| C-Standard(Angular Contact Ball Bearing) |
- e. Flange Type:
- | |
|--------------------------|
| 1-C-face |
| 2-Flange Mount Type |
| 4-C-face with Cable Type |
- f. Optional Specification: 1-Without Option
- g. Design of RoHS responses model: -E or blank
If be indicated "-E",
those models represent RoHS responses model.



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2)Exclusive Design for Customer

SGMCS - 02B 3 A - □ □ □ □
 a b c d e f g h

a. Motor Type: Direct Drive SIGMA Series SGMCS Type

- b. Motor Output:
- 02B-0.042 kW
 - 05B-0.105 kW
 - 07B-0.147 kW
 - 04C-0.084 kW
 - 10C-0.209 kW
 - 14C-0.293 kW
 - 08D-0.168 kW
 - 17D-0.356 kW
 - 25D-0.393 kW
 - 16E-0.335 kW
 - 35E-0.550 kW

c. Encoder Spec.:
 D-Incremental(20 bit serial)
 3-Absolute Value(20 bit serial)

d. Design Revision Order:
 A-Standard(Crossed Roller Bearing)
 B-Standard(Angular Contact Ball Bearing)
 C-Standard(Angular Contact Ball Bearing)

e,f. Customer Cord

g,h. Design Revision Order For Customer