ZERTIFIKAT ◆ CERTIFICATE ◆ 認証書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

Product Service

EC-Statement of Compliance

No. E6 12 07 22021 468

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

Name of Object: **AC Servo Systems**
AC Servo Amplifier (AC SERVOPACK)

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.: 73538146

326727

Date, 2012-07-17 (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.

TÜV SÜD Product Service GmbH · Zertifizierstelle · Ridlerstraße 65 · 80339 München · Germany

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Model(s):

SGDS Series:
SGDS-A3B##A*, SGDS-A5A##A*,
SGDS-01A##A*, SGDS-02A##A*,
SGDS-04A##A*, SGDS-05A##A*,
SGDS-08A##A*, SGDS-10A##A*,
SGDS-15A##A*, SGDS-20A##A*,
SGDS-30A##A*, SGDS-50A##A*,
SGDS-60A##A*, SGDS-75A##A*,
SGDS-A5F##A*, SGDS-01F##A*,
SGDS-02F##A*, SGDS-04F##A*,
SGDS-*##A*Y1, SGDS-***##A*Y13,**
SGDS-*##A*Y15, SGDS-***##A*Y16,**
SGDS-*##A*Y5**, SGDS-***##A*Y6**,**
SGDS-*##A*Y7**, SGDS-***##A*Y8**#,**
SGDS-*##A*Y9**, SGDS-***##A*Y27,**
SGDS-*##A*Y37, SGDS-***##A*Y35,**
SGDS-A3B##A*-E, SGDS-A5A##A*-E,
SGDS-01A##A*-E, SGDS-02A##A*-E,
SGDS-04A##A*-E, SGDS-05A##A*-E,
SGDS-08A##A*-E, SGDS-10A##A*-E,
SGDS-15A##A*-E, SGDS-20A##A*-E,
SGDS-30A##A*-E, SGDS-A5F##A*-E,
SGDS-01F##A*-E, SGDS-02F##A*-E,
SGDS-04F##A*-E
(see Attachment for Nomenclature)

Description of Object:

Rated Voltage:	100-115 VAC, 200-230 VAC
Rated Power:	30 W-7.5 kW, I/III phase
Protection Class:	I
EMC Classification:	Group 1, Class A(EN 55011/A1)

Tested according to:

EN 55011/A1:2010
EN 61000-6-4/A1:2011
EN 61000-6-2:2005

Nomenclature

SGDS - ** * ** * * Y**** -E
S 1 2 3 4 5 6 7

S: Σ-Ⅲ Series SGDS Servopack

1: Maximum Applicable Servomotor Capacity
Table 1 (Group)

2: Supply Voltage
A=200V
F=100V
B=100V

3: Model
Table 2 (Group)

4: Design Order
A=Standard

5: Option Specification 1
Table 3 (Group)

6: Option Specification 2
Table 4 (Group)

7: Only for RoHs is an object

Table 1

Group	Maximum Applicable Servomotor Capacity	
A3	0.03	[kW]
A5	0.05	[kW]
01	0.1	[kW]
02	0.2	[kW]
04	0.4	[kW]
05	0.5	[kW]
08	0.8	[kW]
10	1.0	[kW]
15	1.5	[kW]
20	2.0	[kW]
30	3.0	[kW]
50	5.0	[kW]
60	6.0	[kW]
75	7.5	[kW]

Attachment
Statement No.
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Table 2

Group	Model	Difference from Standard Model
01	Standard	—
02	Standard + For Full Closed	Software is exactly the same. Hardware is changed. (for I/F circuit to apply for full closed control)
03	Standard + For Option Unit	Software is exactly the same. Hardware is changed. (for I/F circuit to apply for Σ−□ Option Unit)
04	Standard + For Full Closed + For Option Unit	Software is exactly the same. Hardware is changed. (for I/F circuit to apply for Full closed & Σ-□ Option Unit)
05	Standard + NCT	Software is changed (to include NCT control). Hardware is exactly the same as 01 type.
06	Standard + Full Closed + NCT	Software is changed (to include NCT control). Hardware is exactly the same as 02 type.
07	Standard + For Option Unit + NCT	Software is changed (to include NCT control). Hardware is exactly the same as 03 type.
08	Standard + For Full Closed + For Option Unit + NCT	Software is changed (to include NCT control). Hardware is exactly the same as 04 type.
11	MECHATROLINK I/F	Software is changed. Hardware is changed. (MECHATROLINK serial communication I/F Addition)
12	MECHATROLINK I/F + For full closed	Software is exactly the same as 11 type. Hardware is changed. (for I/F circuit to apply for full closed control)
15	MECHATROLINK I/F + NCT	Software is changed (to include NCT control). Hardware is exactly the same as 11 type.
21	SERCOS I/F	Software is changed. Hardware is changed. (SERCOS serial communication I/F Addition)
22	SERCOS I/F + For full closed	Software is exactly the same as 21 type. Hardware is changed. (for I/F circuit to apply for full closed control)
25	SERCOS I/F + NCT	Software is changed (to include NCT control). Hardware is exactly the same as 21 type.
31	DeviceNet I/F	Software is changed. Hardware is changed. (DeviceNet serial communication I/F Addition)
32	DeviceNet I/F (DC/DC converter is Not Mounted)	Software is exactly the same as 31 type. Hardware is changed. (DC/DC converter is Not Mounted)
51	PROFIBUS I/F	Software is changed. Hardware is changed. (PROFIBUS serial communication I/F Addition)
52	PROFIBUS I/F + For full closed	Software is exactly the same as 51 type. Hardware is changed. (for I/F circuit to apply for full closed control)
71	Synqnet I/F	Software is changed. Hardware is changed. (Synqnet serial communication I/F Addition)
72	Synqnet I/F	Software is changed. Hardware(I/F-PCB) is changed. (Synqnet serial communication I/F Addition)
75	Synqnet I/F + NCT	Software is changed (to include NCT control). Hardware is exactly the same as 72 type.

・There are some differences between Power boards.
But the components of circuit are almost same.
・There are two types of Input Voltage and Input Voltage Phase.
・SGDS-***5*A(PROFIBUS I/F)Type:Applid SERVOPACKs are 200V type 50W-400W only.

Table 3

Group	Option Specification 1
blank	Standard
R	Rack mount type
P	Duct ventilation type
S	One phase input voltage type
V	Board coating (varnish)
A	Rack mount type + One phase input voltage type
B	Rack mount type + Board coating (varnish)
C	Duct ventilation type + Board coating (varnish)
D	Duct ventilation type + One phase input voltage type
E	One phase input voltage type + Board coating (varnish)

Table 4

Group	Option Specification 2	Difference from Standard Model
blank	Standard	—
Y***	Resistration groupe for parameters or software.	Software and/or parameters are changed. Hardware is exactly same.
Y5**	Resistration groupe for parameters or software.	Software and/or parameters are changed. Hardware is exactly same.
Y6**	Resistration groupe for parameters or software.	Software and/or parameters are changed. Hardware is exactly same.
Y7**	Resistration groupe for parameters or software.	Software and/or parameters are changed. Hardware is exactly same.
Y8**	Resistration groupe for parameters or software.	Software and/or parameters are changed. Hardware is exactly same.
Y9**	Resistration groupe for parameters or software.	Software and/or parameters are changed. Hardware is exactly same.
Y27	Hardware and software specification for customer.	The parts fix for vibration stabilizer. Software specification for customer.
Y37	Hardware and software specification for customer.	The parts fix for vibration stabilizer. Software specification for customer.
Y35	Hardware and software specification for customer.	Addition of the capacitors. Software specification for customer.

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