



Product Service

EU-Type Examination Certificate

No. E6A 17 01 22021 709

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

Product: **AC Servo Systems**
AC Servo Amplifier (SERVOPACK)

Model(s): **SGDV-1R7E**A*******
SGDV-2R9EA*******
(See Attachment for Nomenclature)

Description of Object:

Rated Voltage: 24 VDC (Control Power)
 24 VDC or 48 VDC (Main Power)
 Rated Power: 11 W (SGDV-1R7E**A*****)
 30 W (SGDV-2R9E**A*****)
 Protection Class: III
 EMC Classification: Group1, Class A(EN 55011)
 EMI:category C2(EN 61800-3)
 EMS:second environment(EN 61800-3)

Tested

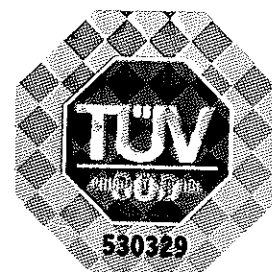
according to:

EN 55011:2009/A1:2010
 EN 61000-6-4:2007/A1:2011
 EN 61000-6-2:2005
 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.: 73562973

Date, 2017-01-11 (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.

Attachment

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Product Service

1 Nomenclature of standard models

$\frac{\text{SGDV-}}{\text{A}}$ $\frac{\text{***}}{\text{B}}$ $\frac{*}{\text{C}}$ $\frac{\text{**}}{\text{D}}$ $\frac{*}{\text{E}}$ $\frac{\text{***}}{\text{F}}$ $\frac{\text{**}}{\text{G}}$ $\frac{*}{\text{H}}$

A SGDV Σ -V Series SGD V Servopack

B Output Current

Group	Continuous Output current
1R7	1.7 [A]
2R9	2.9 [A]

C Rated Input Voltage / Output Voltage

Group	Input Voltage	Output Voltage
E	24Vdc or 48Vdc	24Vdc or 48Vdc

D Interface type

Group	Interface type	Difference
S1	Analog I/F, for Rotary motor	Control board is Analog I/F, Software is for Analog I/F, Rotary motor.
S5	Analog I/F, for Linear motor	Hardware is exactly same as S1 type. Software is changed from S1 type for Linear motor.
P1	Pulse I/F, for Rotary motor	Control board is Pulse I/F, Software is for Pulse I/F, Rotary motor.
P5	Pulse I/F, for Linear motor	Hardware is exactly same as P1 type. Software is changed from P1 type for Linear motor.
11	MECHATROLINK-II I/F, for Rotary motor	Control board is MECHATROLINK-II I/F, Software is for MECHATROLINK-II I/F, Rotary motor.
15	MECHATROLINK-II I/F, for Linear motor	Hardware is exactly same as 11 type. Software is changed from 11 type for Linear motor.
21	MECHATROLINK-III I/F, for Rotary motor	Control board is MECHATROLINK-III I/F, Software is for MECHATROLINK-III I/F, Rotary motor.
25	MECHATROLINK-III I/F, for Linear motor	Hardware is exactly same as 21 type. Software is changed from 21 type for Linear motor.

E Design order

Group	Type
A	Standard

Attachment

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F Option of Hardware

Group	Option Specification of Hardware		
	Structure (Hardware)	Board coating (Varnish)	Measures for vibration
Blank	Standard	Not handle	Not handle
000	Standard	Not handle	Not handle
002	Standard	Handle	Not handle
004	Standard	Not handle	Handle
006	=002+004	Handle	Handle
010	Open collector pulse output signal type	Not handle	Not handle
012	=002+010	Handle	Not handle
014	=004+010	Not handle	Handle
016	=002+004+010	Handle	Handle

G Option of Software

Group	Option Specification of Software	Difference from Standard model
Blank	Standard.	--
00	Standard.	Hardware and/or parameters are changed.
01	Internal setting speed a change of 15 steps.	Specification into the number of the speed tables of the internal parameter which can be set as a servopack was changed from three steps in 15 steps.
02	The functional addition of absolute value encoder initialization by the contact input signal from the outside.	Specification, which could be made to perform initialization operation of the absolute value encoder with an I/O signal without connecting an external operation.
03	Speed limit detection functional addition.	Speed limit detection function addition.
04	Instruction input disconnection functional addition.	Specification, which added the function, which detects disconnections and is used as alarm when wiring of the instruction input from a controller is disconnected.
05	The Mitsubishi PLC correspondence and the Mitsubishi specification absolute value data-processing correspondence.	Specification, which changed I/F according to Mitsubishi PLC.
06	C phase pulse zero return functional addition.	Specification, which added the zero return function which uses C-Phase pulse.
07	F47 standard correspondence.	Specification, to which soft processing required for the measures against the power failure specified by F47 standard was added.

H Option for Parameter

Group	Option Specification of Parameter setting	Difference from Standard model
Blank	Standard	--
0	Standard	--

Attachment

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Product Service

2 Nomenclature for Y-Specification

$\frac{\text{SGDV-}}{\text{A}}$ $\frac{\text{***}}{\text{B}}$ $\frac{\text{*}}{\text{C}}$ $\frac{\text{**}}{\text{D}}$ $\frac{\text{*}}{\text{E}}$ $\frac{\text{Y*****}}{\text{F}}$

A SGD V Σ-V Series SGD V Servopack

B Output Current

Group	Continuous Output current
1R7	1.7 [A]
2R9	2.9 [A]

C Rated Voltage

Group	Input Voltage	Output Voltage
E	24Vdc or 48Vdc	24Vdc or 48Vdc

D Interface type

Group	Interface type	Difference
S1	Analog I/F, for Rotary motor	Control board is Analog I/F, Software is for Analog I/F, Rotary motor.
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P1	Pulse I/F, for Rotary motor	Control board is Pulse I/F, Software is for Pulse I/F, Rotary motor.
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21	MECHATROLINK-III I/F, for Rotary motor	Control board is MECHATROLINK-III I/F, Software is for MECHATROLINK-III I/F, Rotary motor.
25	MECHATROLINK-III I/F, for Linear motor	Hardware is exactly same as 21 type. Software is changed from 21 type for Linear motor.

E Design order

Group	Type
A	Standard

F Option specification of Hardware and/or Software and/or Parameter setting

Group	Option Specification	Difference from Standard model
Blank	Standard.	--
Y5****	Software and parameters are changed.	Hardware is exactly same as standard model.
Y6****	Software and parameters are changed.	Hardware is exactly same as standard model.
Y8****	Software and parameters are changed.	Hardware is exactly same as standard model.
Y9****	Software and parameters are changed.	Hardware is exactly same as standard model.