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

Product Service

CERTIFICATE

No. B 11 10 22021 430

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

Production Facility(ies): 48921

Certification Mark:

Product: **AC Servo Systems**
AC Servo Amplifiers

Model(s): **SGDV-***E*1A****** Series**
(See attachment for nomenclature)

Parameters:

Rated voltage:	DC48V / 24V
Rated input current:	48V dc: 1-2A
	24V dc: 2-3.5A
Protection class:	III
Degree of protection against liquids:	IP 10

Remark:
When installing/inserting the equipment all requirements of the mentioned test standard must be fulfilled.

Tested according to: EN 61800-5-1:2007

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition the certification holder must not transfer the certificate to third parties. See also notes overleaf.

Test report no.: 73533224

Date, 2011-10-20 (Yoshio Sato)

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TÜV®

Certificate Attachment
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Product Service

Nomenclature of standard models

SGDV-	***	*	**	*	***	**	*
A	B	C	D	E	F	G	H

A SGDV Σ-V Series SGDV 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
P1	Pulse I/F, for Rotary motor	Control board is Pulse I/F, Software is for Pulse I/F, Rotary motor
11	MEACHATROLINK-II I/F, for Rotary motor	Control board is MEACHATROLINK-II I/F, Software is for MEACHATROLINK-II I/F, Rotary motor
21	MEACHATROLINK-III I/F, for Rotary motor	Control board is MEACHATROLINK-III I/F, Software is for MEACHATROLINK-III I/F, Rotary motor

E Design order

Group	Type
A	Standard

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	--

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Product Service

Nomenclature for Y-Specification

SGDV-	***	*	**	*	Y*****
A	B	C	D	E	F

A SGDV Σ-V Series SGDV 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
P1	Pulse I/F, for Rotary motor	Control board is Pulse I/F, Software is for Pulse I/F, Rotary motor
11	MEACHATROLINK-II I/F, for Rotary motor	Control board is MEACHATROLINK-II I/F, Software is for MEACHATROLINK-II I/F, Rotary motor
21	MEACHATROLINK-III I/F, for Rotary motor	Control board is MEACHATROLINK-III I/F, Software is for MEACHATROLINK-III I/F, Rotary 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.

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