



Product Service

CERTIFICATE

No. B 13 03 22021 501

Holder of Certificate: Yaskawa Electric Corp.
Tokyo Plant

480 Kamifujisawa, Iruma
Saitama 358-8555
JAPAN

Certification Mark:



Product: AC servo systems
AC Servo Amplifiers

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.: 73502481-13

(Yoshio Sato)



Date, 2013-03-27

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Model(s): SGDM-***D***** Series, SGDM-***DA***** Series
 SGDM-***DA*****-E Series
 SGDM-**DN***** Series
 SGDM-**DN*****-E Series
 SGDH-***E***** Series
 SGDH-***E*****-E Series
 SGDH-**DE***** Series
 SGDH-**DE*****-E Series
 SGDH-**AE-TY**** Series, SGDH-**AEY372 Series
 SGDP-***P***** Series, SGDP-***PA***** Series
 SGDD-***** Series
 XD-**-***** Series
 (See attachment for nomenclature)

Brand Name: Yaskawa Electric Corporation
 Yaskawa Europe Technology

Parameters:

Rated voltage:	AC 100-115 V AC 200-230 V AC 380-480 V
Rated frequency:	50/60 Hz
Rated input current:	1-24 A 1-81 A, 1-28 A, 1-9.5 A 2-15 A, 2-45 A
Protection class:	I
Overvoltage category:	III
Pollution degree:	2

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

Tested according to: EN 50178:1997

Production Facility(ies): 42802, 48921, 52953, 51708, 38373, 23987, 75416

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Nomenclature

Type SGDP-*P (Σ -II plus) series**

<u>MODEL:</u>	<u>Item Description:</u>	
SGDP-A3BP*****	100V	0,03 KW
SGDP-A5BP*****	100V	0,05 KW
SGDP-01BP*****	100V	0,10 KW
SGDP-02BP*****	100V	0,20 KW
SGDP-A3AP*****	200V	0,03 KW
SGDP-A5AP*****	200V	0,05 KW
SGDP-01AP*****	200V	0,10 KW
SGDP-02AP*****	200V	0,20 KW
SGDP-04AP*****	200V	0,40 KW
SGDP-08AP*****	200V	0,75 KW
SGDP-A3BPA*****	100V	0,03 KW
SGDP-A5BPA*****	100V	0,05 KW
SGDP-01BPA*****	100V	0,10 KW
SGDP-02BPA*****	100V	0,20 KW
SGDP-A3APA*****	200V	0,03 KW
SGDP-A5APA*****	200V	0,05 KW
SGDP-01APA*****	200V	0,10 KW
SGDP-02APA*****	200V	0,20 KW
SGDP-04APA*****	200V	0,40 KW

SGDP-
(A) **
(B) *
(C) *
(D) *
(E) **
(F) *****
(G)

- A: Servopack series Σ -II plus series Standard type
- B: Maximum Applicable Motor capacity Table-1 (Group)
- C: Input voltage A = AC200V
B = AC100V
- D: Model P = Position Control
- E: Design Order Blank = Original Version
A = Version up
- F: Option specification – 1 Table-2 (Group)
- G: Option specification – 2 Customer specification(non critical)

Table 1

(Group)	Rated Output Power of Max. Applicable Motor capacity
A3	0,03 KW
A5	0,05 KW
01	0,10 KW
02	0,20 KW
04	0,40 KW
08	0,75 KW



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Table 2

(Group)	Option specification
blank	Standard
- R	Rack mount type
- V	Board Coating (varnish)
- S	1 phase input voltage type on 3 phase input voltage type.

Customer specification(non critical)

Y1, Y2, Y3, Y11, Y12, Y13, Y14, Y15, Y16, Y17, Y18, Y19
Y21, Y23, Y24, Y26, Y27, Y29, Y30, Y32, Y33, Y37, Y38, Y39, Y43, Y44, Y47
Y69, Y90, Y92, Y98, Y100, Y105, Y106, Y115, Y7**, Y8**, Y9**

Type SGDM-***D (Σ-II) series

Model:	Item Description:	
SGDM-A3BD*****	100 V	0,03 KW
SGDM-A5BD*****	100 V	0,05 KW
SGDM-01BD*****	100 V	0,10 KW
SGDM-02BD*****	100 V	0,20 KW
SGDM-A3AD*****	200 V	0,03 KW
SGDM-A5AD*****	200 V	0,05 KW
SGDM-01AD*****	200 V	0,10 KW
SGDM-02AD*****	200 V	0,20 KW
SGDM-04AD*****	200 V	0,40 KW
SGDM-05AD*****	200 V	0,50 KW
SGDM-08AD*****	200 V	0,75 KW
SGDM-10AD*****	200 V	1,0 KW
SGDM-15AD*****	200 V	1,5 KW
SGDM-20AD*****	200 V	2,0 KW
SGDM-30AD*****	200 V	3,0 KW

Type SGDM-***DA (Σ-II) series

Model:	Item Description:	
SGDM-A3BDA******	100 V	0,03 KW
SGDM-A5BDA******	100 V	0,05 KW
SGDM-01BDA******	100 V	0,10 KW
SGDM-02BDA******	100 V	0,20 KW
SGDM-A3ADA******	200 V	0,03 KW
SGDM-A5ADA******	200 V	0,05 KW
SGDM-01ADA******	200 V	0,10 KW
SGDM-02ADA******	200 V	0,20 KW
SGDM-04ADA******	200 V	0,40 KW
SGDM-05ADA******	200 V	0,50 KW
SGDM-08ADA******	200 V	0,75 KW
SGDM-10ADA******	200 V	1,0 KW
SGDM-15ADA******	200 V	1,5 KW
SGDM-20ADA******	200 V	2,0 KW
SGDM-30ADA******	200 V	3,0 KW
SGDM-50ADA******	200 V	5,0 KW
SGDM-60ADA*****	200 V	6,0 KW
SGDM-75ADA*****	200 V	7,5 KW
SGDM-1AADA*****	200 V	11,0 KW
SGDM-1EADA*****	200 V	15,0 KW



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- | | | | | | | | |
|---------------------|-----------------------------------|----------|---|----------|-----------|--------------|-----------|
| <u>SGDM-</u>
(A) | **
(B) | *
(C) | *
(D) | *
(E) | **
(F) | *****
(G) | -*
(H) |
| A: | Servopack series | | Σ-II series Standard type
(without connector for option board) | | | | |
| B: | Maximum Applicable Motor capacity | | Table 1 (Group) | | | | |
| C: | Input voltage | | A = AC200V
B = AC100V | | | | |
| D: | Model | | D = Torque, Speed, Position Control | | | | |
| E: | Design Order | | Blank = Original Version
A= Version up | | | | |
| F: | Option specification – 1 | | Table-2 (Group) | | | | |
| G: | Option specification – 2 | | Customer specification(non critical) | | | | |
| H: | -E
Blank | | Rohs implementation and improve the product quality
Original model | | | | |

Table 1

(Group)	Rated Output Power of Max. Applicable Motor capacity
A3	0,03 KW
A5	0,05 KW
01	0,10 KW
02	0,20 KW
04	0,40 KW
05	0,50 KW
08	0,75 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
1A	11,0 KW
1E	15,0 KW

Table 1(RoHS countermeasure, up to 3KW)

(Group)	Rated Output Power of Max. Applicable Motor capacity
A3	0,03 KW
A5	0,05 KW
01	0,10 KW
02	0,20 KW
04	0,40 KW
05	0,50 KW
08	0,75 KW
10	1,0 KW
15	1,5 KW
20	2,0 KW
30	3,0 KW



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Table 2

(Group)	Option specification 1
blank	Standard
- R	Rack mount type
- V	Board Coating (varnish)
- P	Duct ventilation type

Customer specification (non critical)

Y1, Y2, Y3, Y5, Y11, Y12, Y13, Y14, Y15, Y16, Y17, Y18, Y19, Y21, Y23, Y24, Y25, Y26, Y27, Y29
Y30, Y32, Y33, Y37, Y38, Y39, Y41, Y43, Y44, Y47, Y57, Y60, Y63, Y66, Y67, Y68, Y69
Y73, Y75, Y80, Y90, Y91, Y92, Y93, Y97, Y98
Y115, Y116, Y118, Y119, Y120, Y126, Y133, Y134, Y136, Y141, Y165, Y168, Y174, Y197
Y202, Y219, Y220, Y225, Y230, Y244, Y308, Y360, Y7**, Y8**, Y9**, TE3A, TE3B

Type SGDM-*DN (Σ-II) series**

<u>Model:</u>	<u>Item Description:</u>	
SGDM-05DN*****-*	400V	0,5 KW
SGDM-10DN*****-*	400V	1,0 KW
SGDM-15DN*****-*	400V	1,5 KW
SGDM-20DN*****-*	400V	2,0 KW
SGDM-30DN*****-*	400V	3,0 KW
SGDM-50DN*****-*	400V	5,0 KW

<u>SGDM-</u> (A)	<u>**</u> (B)	<u>DN</u> (C)	<u>**</u> (D)	<u>*****</u> (E)	<u>-*</u> (F)
A:	Servopack series Σ-II series Standard type (without connector for option board)				
B:	Maximum Applicable Motor capacity 05: 0,5KW 10: 1,0KW 15: 1,5KW 20: 2,0KW 30: 3,0KW 50: 5,0KW				
C:	Input voltage DN: AC400V, Mechatrolink communication				
D:	Option specification-1 Blank: standard -R: Rack mount type -V: Board coating -W: Rack mounting and Board coating				
E:	Option specification-2 Customer specification(non critical) Y7**				
F:	-E Rohs implementation and improve the product quality Blank Original model				

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Type SGDH-***E (Σ -II) series

Model:	Item Description:	
SGDH-A3BE*****-*	100V	0,03 KW
SGDH-A5BE*****-*	100V	0,05 KW
SGDH-01BE*****-*	100V	0,10 KW
SGDH-02BE*****-*	100V	0,20 KW
SGDH-A3AE*****-*	200V	0,03 KW
SGDH-A5AE*****-*	200V	0,05 KW
SGDH-01AE*****-*	200V	0,1 KW
SGDH-02AE*****-*	200V	0,2 KW
SGDH-04AE*****-*	200V	0,4 KW
SGDH-05AE*****-*	200V	0,5 KW
SGDH-08AE*****-*	200V	0,75 KW
SGDH-10AE*****-*	200V	1,0 KW
SGDH-15AE*****-*	200V	1,5 KW
SGDH-20AE*****-*	200V	2,0 KW
SGDH-30AE*****-*	200V	3,0 KW
SGDH-50AE*****-*	200V	5,0 KW
SGDH-60AE*****	200V	6,0 KW
SGDH-75AE*****	200V	7,5 KW
SGDH-1AAE*****	200V	11,0 KW
SGDH-1EAE*****	200V	15,0 KW
SGDH-05DE*****-*	400V	0,5 KW
SGDH-10DE*****-*	400V	1,0 KW
SGDH-15DE*****-*	400V	1,5 KW
SGDH-20DE*****-*	400V	2,0 KW
SGDH-30DE*****-*	400V	3,0 KW
SGDH-50DE*****-*	400V	5,0 KW
SGDH-60DE*****	400V	6,0 KW
SGDH-75DE*****	400V	7,5 KW
SGDH-1ADE*****	400V	11,0 KW
SGDH-1EDE*****	400V	15,0 KW

<u>SGDH</u> -	<u>**</u>	<u>*</u>	<u>E</u>	<u>-*****</u>	<u>**</u>	<u>*****</u>	<u>-*</u>
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)

- A. Servopack series: Σ -II series standard type
(with connector for option board)
- B. Maximum Applicable motor capacity: Refer to Table-1 (Group)
- C. Input voltage: A = AC200V
B = AC100V
D = AC400V
- D. Model: E = Torque, Speed, Position control
- E. Optional board attachment (SGDH only) Blank, or
NXXXX
FXXXX
MXXXX
XXXX = 1 to 4 alphanumeric characters to identify an option board.
- F. Option specification-1: Refer to Table-2 (Group)
- G. Option specification-2: Customer specification (non critical)
- H. -E Rohs implementation and improve the product quality
Blank Original model



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Table-1 (Maximum applicable motor capacity)

(Group)	Rated Output Power of Max. Applicable Motor capacity
A3	0,03 KW
A5	0,05 KW
01	0,10 KW
02	0,30 KW
04	0,40 KW
05	0,50 KW
08	0,75 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
1A	11,0 KW
1E	15,0 KW

Table-1 (Maximum applicable motor capacity, and RoHS counter measure models)

(Group)	Rated Output Power of Max. Applicable Motor capacity
A3	0,03 KW
A5	0,05 KW
01	0,10 KW
02	0,30 KW
04	0,40 KW
05	0,50 KW
08	0,75 KW
10	1,0 KW
15	1,5 KW
20	2,0 KW
30	3,0 KW

Table-2 (Group)

(Group)	Option specification-1
blank	Standard
-R	Rack mount type
-V	Board Coating(vernish)
-P	Duct ventilation type
-S	1 phase input voltage type on 3 phase input voltage type. Voltage input range 220 - 230V +10/-15%
-W	Rack mounted and board coating
-X	Duct ventilation and board coating
-Y	Single phase input and board coating
-Z	Single phase input and rack mounted
-T	Single phase input, rack mounted, and board coating

Customer specification (non critical)

Y1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19

Y21, Y23, Y24, Y25, Y26, Y27, Y28, Y29, Y30, Y32, Y33, Y37, Y38, Y39, Y41, Y43, Y44, Y47, Y49, Y57, Y60, Y63

Y66, Y67, Y68, Y69, Y73, Y75, Y80, Y88, Y89, Y90, Y91, Y92, Y93, Y98, Y114~Y120, Y126, Y133, Y134, Y136, Y141, Y165, Y168,

Y174, Y187, Y197, Y202, Y219, Y220, Y225, Y230, Y244, Y267, Y308, Y336, Y399, Y7**, Y8**, Y9**, YA1*, -OY, Y414, Y415,

Y416, Y291, Y452

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Additional Type -OY

Additional type -OY	Σ-II series	Input Voltage, Watts
SGDH-A3AE-OY-E	SGDH-A3AE-E	AC200V, AC, 30W
SGDH-A5AE-OY-E	SGDH-A5AE-E	AC200V, AC, 50W
SGDH-01AE-OY-E	SGDH-01AE-E	AC200V, AC, 100W
SGDH-02AE-OY-E	SGDH-02AE-E	AC200V, AC, 200W
SGDH-04AE-OY-E	SGDH-04AE-E	AC200V, AC, 400W
SGDH-08AE-S-OY	SGDH-08AE-S	AC200V, AC, 750W
SGDH-15AE-S-OY	SGDH-15AE-S	AC200V, AC, 1,5KW
SGDH-05DE-OY-E	SGDH-05DE-E	400V, 3AC, 500W
SGDH-10DE-OY-E	SGDH-10DE-E	400V, 3AC, 1KW
SGDH-15DE-OY-E	SGDH-15DE-E	400V, 3AC, 1,5KW
SGDH-20DE-OY-E	SGDH-20DE-E	400V, 3AC, 2KW
SGDH-30DE-OY-E	SGDH-30DE-E	400V, 3AC, 3KW
SGDH-50DE-OY-E	SGDH-50DE-E	400V, 3AC, 5KW
SGDH-60DE-OY	SGDH-60DE	400V, 3AC, 6KW
SGDH-75DE-OY	SGDH-75DE	400V, 3AC, 7,5KW
SGDH-1ADE-OY	SGDH-1ADE	400V, 3AC, 11KW
SGDH-1EDE-OY	SGDH-1EDE	400V, 3AC, 15KW

SGDH - ** A E I Y****
(A) (B) (C) (D) (E) (F)

- A. Σ-II series SGDH type SERVOPACK
- B. Rated output
 - A3: 30W
 - A5: 50W
 - 01: 100W
 - 02: 200W
 - 04: 400W
- C. Input voltage:
 - A: AC200V
- D. Model:
 - E: Torque, Speed, Position control(SGDH)
- E. Optional specification
 - Blank: Standard
 - T: Three phase input type
- F. Option specification-2:
 - Blank: Standard
 - Y****: For specific customer

SGDH - ** A E Y372
(A) (B) (C) (D) (F)

- A. Σ-II series SGDH type SERVOPACK
- B. Rated output
 - A3: 30W
 - A5: 50W
 - 01: 100W
 - 02: 200W
 - 04: 400W
- C. Input voltage:
 - A = AC200V
- D. Model:
 - E: Torque, Speed, Position control(SGDH)

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- E. Optional specification I
 Y372: For specific customer, {SGDH-**AE-T + JUSP-HS001(optional)}
 Notes:
 JUSP-HS001: Serial interface board

Type SGDD-*** (Σ Linear) series**

Model:	Item Description:	
SGDD-A5B*****	100V	0,05 KW
SGDD-01B*****	100V	0,10 KW
SGDD-02B*****	100V	0,20 KW
SGDD-A5A*****	200V	0,05 KW
SGDD-01A*****	200V	0,1 KW
SGDD-02A*****	200V	0,2 KW
SGDD-04A*****	200V	0,4 KW
SGDD-05A*****	200V	0,5 KW
SGDD-08A*****	200V	0,75 KW
SGDD-10A*****	200V	1,0 KW
SGDD-15A*****	200V	1,5 KW
SGDD-20A*****	200V	2,0 KW
SGDD-30A*****	200V	3,0 KW
SGDD-50A*****	200V	5,0 KW
SGDD-75A*****	200V	7,5 KW

SGDD - ** * ** * ** ****
 (A) (B) (C) (D) (E) (F) (G)

- A. Servopack series: Σ Linear series type
 (with connector for option board)
- B. Maximum Applicable motor capacity: Refer to Table-4 (Group)
- C. Input voltage: A = AC200V
 B = AC100V
- D. Applicable Linear Servomotor type: Refer to Table-5(Group)
- E. Model:
 A = Analog or pulse reference with JUSP-LD001A
 B = Mechatrolink communication with JUSP-NS100
- F. Optional specification-1:
 Blank: standard
 -R: Rack mount type
 -V: Board coating
 -P: Duct ventilation type
- G. Option specification-2:
 Y7**



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Table-4 for SGDD

(Group)	Rated Output Power of Max. Applicable Motor capacity
A5	0,05 KW
01	0,10 KW
02	0,30 KW
04	0,40 KW
05	0,50 KW
08	0,75 KW
10	1,0 KW
15	1,5 KW
20	2,0 KW
30	3,0 KW
50	5,0 KW
75	7,5 KW

Table-5 for SGDD

Group	Applicable Linear Servomotor type	
	Moving coil	Magnet trac
F1	SGLFW-20A090**	SGLFM-20*****
F2	SGLFW-20A120**	
F3	SGLFW-35A120**	SGLFM-35*****
F4	SGLFW-35A230**	
F5	SGLFW-50A200**	SGLFM-50*****
F6	SGLFW-1ZA200**	SGLFM-1Z*****
F7	SGLFW-50A200**	SGLFM-50*****
F8	SGLFW-1ZA380**	SGLFM-1Z*****
G1	SGLGW-40A140**	SGLGM-40***
G2	SGLGW-40A253**	
G3	SGLGW-40A365**	
G4	SGLGW-60A140**	SGLGM-60***
G5	SGLGW-60A253**	
G6	SGLGW-60A365**	
G7	SGLGW-30A050**	SGLGM-30***
G8	SGLGW-30A080**	
GA	SGLGW-90A200**	SGLGM-90***
GB	SGLGW-90A370**	
GC	SGLGW-90A535**	
M1	SGLTW-20A170**	SGLTM-20*****
M2	SGLTW-20A320**	
M3	SGLTW-20A460**	
M4	SGLTW-35A170**	SGLTM-35*****
M5	SGLTW-35A320**	
M6	SGLTW-35A460**	
T1	SGLTW-40A400**	SGLTM-40*****
T2	SGLTW-40A600**	
T3	SGLTW-80A400**	SGLTM-80*****
T4	SGLTW-80A600**	



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Type XD series AC Servo Amplifiers

Correspondence of XD series v.s. SGDM/SGDH series

No CN10 connector (No Extended functionality by Option Board)	200V/30W 200V/50W 200V/100W 200V/200W 200V/400W 200V/0,75KW 200V/1,0KW 200V/2,0KW 200V/3,0KW 400V/0,5KW 400V/1,0KW 400V/1,5KW 400V/2,0KW 400V/3,0KW	XD-P3-MS***** XD-P5-MS***** XD-01-MS***** XD-02-MS***** XD-04-MS***** XD-08-MS***** XD-10-MS***** XD-20-MS***** XD-30-MS***** XD-05-TS***** XD-10-TS***** XD-15-TS***** XD-20-TS***** XD-30-TS*****	SGDM-A3ADA**Y308 SGDM-A5ADA**Y308 SGDM-01ADA**Y308 SGDM-02ADA**Y308 SGDM-04ADA**Y308 SGDM-08ADA**Y308 SGDM-10ADA**Y308 SGDM-20ADA**Y308 SGDM-30ADA**Y308 SGDH-05DE**Y399 SGDH-10DE**Y399 SGDH-15DE**Y399 SGDH-20DE**Y399 SGDH-30DE**Y399
With CN10 connector (Extended functionality by Option Board)	200V/30W 200V/50W 200V/100W 200V/200W 200V/400W 200V/0,75KW 200V/1,0KW 200V/2,0KW 200V/3,0KW 400V/0,5KW 400V/1,0KW 400V/1,5KW 400V/2,0KW 400V/3,0KW	XD-P3-MN***** XD-P5-MN***** XD-01-MN***** XD-02-MN***** XD-04-MN***** XD-08-MN***** XD-10-MN***** XD-20-MN***** XD-30-MN***** XD-05-TN***** XD-10-TN***** XD-15-TN***** XD-20-TN***** XD-30-TN*****	SGDH-A3AE**Y308 SGDH-A5AE**Y308 SGDH-01AE**Y308 SGDH-02AE**Y308 SGDH-04AE**Y308 SGDH-08AE**Y308 SGDH-10AE**Y308 SGDH-20AE**Y308 SGDH-30AE**Y308 SGDH-05DE**Y308 SGDH-10DE**Y308 SGDH-15DE**Y308 SGDH-20DE**Y308 SGDH-30DE**Y308
Secondary I/O circuit is to be XD series, and power circuit is same as SGDM series.	100V/0,03KW 100V/0,05KW 100V/0,1KW 100V/0,2KW	XD-P3-LS***** XD-P5-LS***** XD-01-LS***** XD-02-LS*****	SGDM-A3BDA SGDM-A5BDA SGDM-01BDA SGDM-02BDA
Secondary I/O circuit is to be XD series, and power circuit is same as SGDM series.	100V/0,03KW 100V/0,05KW 100V/0,1KW 100V/0,2KW	XD-P3-LN***** XD-P5-LN***** XD-01-LN***** XD-02-LN*****	SGDM-A3BE SGDM-A5BE SGDM-01BE SGDM-02BE
Secondary I/O circuit is to be XD series, and power circuit is same as SGDM series.	200V/1,5KW	XD-15-MS*****	SGDM-15ADA-S
Secondary I/O circuit is to be XD series, and power circuit is same as SGDM or SGDH series.	200V/1,5KW	XD-15-MN*****	SGDM-15AE-S
Secondary I/O circuit is to be XD series, and power circuit is same as SGDM series.	400V/5,0KW	XD-50-TS*****	SGDM-50D
Secondary I/O circuit is to be XD series, and power circuit is same as SGDM series.	400V/5,0KW	XD-50-TN*****	SGDM-50DE



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$\frac{XD-}{1}$ $\frac{**-}{2}$ $\frac{*}{3}$ $\frac{*}{4}$ $\frac{**}{5}$ $\frac{**}{6}$ $\frac{***}{7}$

1) XtraDrive Series: XtraDrive-I series Standard type

Brand name: Yaskawa Europe Technology

2) Maximum Applicable Motor capacity

Table-1

Group	Rated Output Power of Max. Applicable Motor Capacity
P3	0,03 KW
P5	0,05 KW
01	0,10 KW
02	0,20 KW
04	0,40 KW
08	0,75 KW
10	1,0 KW
15	1,5 KW
20	2,0 KW
30	3,0 KW
50	5,0 KW

3) Input Voltage

L = AC100V
M = AC200V
T = AC400V

4) External functionality by Option Board (CN10 connector)

S = no CN10 connector
N = with CN10 connector

5) Design version

Blank = Original version
01 to FF = Version number

6) Option specification 1

Table-2

Group	Option specification 1
Blank	Standard
-R	Rack Mount Type
-V	Board Coating(Varnish)

7) Option specification 2

Table-3

Group	Option specification 2	
		Difference from the Standard Model
Blank	Standard	--