

# EU-Type Examination Certificate

No. E6A 022021 0783 Rev. 16

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

**Product:** **AC Servo Systems**  
**AC Servo Amplifier "SERVOPACK"**

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 all 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/or 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.  
For details see: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

**Evaluation Report No.:** 735016083

**Date,** 2026-04-10

The EMC state of the art for this certificate will be monitored for 5 years after the issue date until 2031-04-09. During this time, the certificate might be re-evaluated if underlying standards change. In any case, after this 5-year period the certificate will be required to be up re-issued or will be automatically withdrawn.

  
( Volker Albrecht )



# EU-Type Examination Certificate

No. E6A 022021 0783 Rev. 16

Model(s): **SGDXS-\*\*\*\*\***, **SGDXW-\*\*\*\*\***,  
**SGDXT-\*\*\*\*\***

### Model List

#### SGDXS model Standard Spec., Hardware Option Spec., and FT Spec.

SGDXS-R70A00Axxxxyyz	SGDXS-R70AM0Axxxxyyz
SGDXS-R90A00Axxxxyyz	SGDXS-R90AM0Axxxxyyz
SGDXS-1R6A00Axxxxyyz	SGDXS-1R6AM0Axxxxyyz
SGDXS-2R8A00Axxxxyyz	SGDXS-2R8AM0Axxxxyyz
SGDXS-3R8A00Axxxxyyz	SGDXS-3R8AM0Axxxxyyz
SGDXS-5R5A00Axxxxyyz	SGDXS-5R5AM0Axxxxyyz
SGDXS-7R6A00Axxxxyyz	SGDXS-7R6AM0Axxxxyyz
SGDXS-120A00Axxxxyyz	SGDXS-120AM0Axxxxyyz
SGDXS-180A00Axxxxyyz	SGDXS-180AM0Axxxxyyz
SGDXS-200A00Axxxxyyz	SGDXS-200AM0Axxxxyyz
SGDXS-330A00Axxxxyyz	SGDXS-330AM0Axxxxyyz
SGDXS-470A00Axxxxyyz	SGDXS-470AM0Axxxxyyz
SGDXS-550A00Axxxxyyz	SGDXS-550AM0Axxxxyyz
SGDXS-590A00Axxxxyyz	SGDXS-590AM0Axxxxyyz
SGDXS-780A00Axxxxyyz	SGDXS-780AM0Axxxxyyz
SGDXS-R70A40Axxxxyyz	SGDXS-R70AA0Axxxxyyz
SGDXS-R90A40Axxxxyyz	SGDXS-R90AA0Axxxxyyz
SGDXS-1R6A40Axxxxyyz	SGDXS-1R6AA0Axxxxyyz
SGDXS-2R8A40Axxxxyyz	SGDXS-2R8AA0Axxxxyyz
SGDXS-3R8A40Axxxxyyz	SGDXS-3R8AA0Axxxxyyz
SGDXS-5R5A40Axxxxyyz	SGDXS-5R5AA0Axxxxyyz
SGDXS-7R6A40Axxxxyyz	SGDXS-7R6AA0Axxxxyyz
SGDXS-120A40Axxxxyyz	SGDXS-120AA0Axxxxyyz
SGDXS-180A40Axxxxyyz	SGDXS-180AA0Axxxxyyz
SGDXS-200A40Axxxxyyz	SGDXS-200AA0Axxxxyyz
SGDXS-330A40Axxxxyyz	SGDXS-330AA0Axxxxyyz
SGDXS-470A40Axxxxyyz	SGDXS-470AA0Axxxxyyz
SGDXS-550A40Axxxxyyz	SGDXS-550AA0Axxxxyyz
SGDXS-590A40Axxxxyyz	SGDXS-590AA0Axxxxyyz
SGDXS-780A40Axxxxyyz	SGDXS-780AA0Axxxxyyz

xxxx: Hardware option type (list of certification Hardware option type)

yy: FT spec.

z: BTO spec.



# EU-Type Examination Certificate

No. E6A 022021 0783 Rev. 16

**SGDXS model Standard Spec., Hardware Option Spec., and FT Spec.**

SGDXS-1R9D00Axxxxyyz	SGDXS-1R9DM0Axxxxyyz
SGDXS-3R5D00Axxxxyyz	SGDXS-3R5DM0Axxxxyyz
SGDXS-5R4D00Axxxxyyz	SGDXS-5R4DM0Axxxxyyz
SGDXS-8R4D00Axxxxyyz	SGDXS-8R4DM0Axxxxyyz
SGDXS-120D00Axxxxyyz	SGDXS-120DM0Axxxxyyz
SGDXS-170D00Axxxxyyz	SGDXS-170DM0Axxxxyyz
SGDXS-210D00Axxxxyyz	SGDXS-210DM0Axxxxyyz
SGDXS-260D00Axxxxyyz	SGDXS-260DM0Axxxxyyz
SGDXS-280D00Axxxxyyz	SGDXS-280DM0Axxxxyyz
SGDXS-370D00Axxxxyyz	SGDXS-370DM0Axxxxyyz
SGDXS-450D00Axxxxyyz	SGDXS-450DM0Axxxxyyz
SGDXS-750D00Axxxxyyz	SGDXS-750DM0Axxxxyyz
SGDXS-131J00Axxxxyyz	SGDXS-131JM0Axxxxyyz
SGDXS-1R9D40Axxxxyyz	SGDXS-1R9DA0Axxxxyyz
SGDXS-3R5D40Axxxxyyz	SGDXS-3R5DA0Axxxxyyz
SGDXS-5R4D40Axxxxyyz	SGDXS-5R4DA0Axxxxyyz
SGDXS-8R4D40Axxxxyyz	SGDXS-8R4DA0Axxxxyyz
SGDXS-120D40Axxxxyyz	SGDXS-120DA0Axxxxyyz
SGDXS-170D40Axxxxyyz	SGDXS-170DA0Axxxxyyz
SGDXS-210D40Axxxxyyz	SGDXS-210DA0Axxxxyyz
SGDXS-260D40Axxxxyyz	SGDXS-260DA0Axxxxyyz
SGDXS-280D40Axxxxyyz	SGDXS-280DA0Axxxxyyz
SGDXS-370D40Axxxxyyz	SGDXS-370DA0Axxxxyyz
SGDXS-450D40Axxxxyyz	SGDXS-450DA0Axxxxyyz
SGDXS-750D40Axxxxyyz	SGDXS-750DA0Axxxxyyz
SGDXS-131J40Axxxxyyz	SGDXS-131JA0Axxxxyyz

xxxx: Hardware option type (list of certification Hardware option type)

yy: FT spec.

z: BTO spec.



# EU-Type Examination Certificate

No. E6A 022021 0783 Rev. 16

SGDXW model Standard Spec., Hardware Option Spec., and FT Spec.

SGDXW-1R6A40Axxxxyyz
SGDXW-2R8A40Axxxxyyz
SGDXW-5R5A40Axxxxyyz
SGDXW-7R6A40Axxxxyyz
SGDXW-1R6AA0Axxxxyyz
SGDXW-2R8AA0Axxxxyyz
SGDXW-5R5AA0Axxxxyyz
SGDXW-7R6AA0Axxxxyyz

SGDXT model Standard Spec., Hardware Option Spec., and FT Spec.

SGDXT-1R6A40Axxxxyyz
SGDXT-2R8A40Axxxxyyz
SGDXT-1R6AA0Axxxxyyz
SGDXT-2R8AA0Axxxxyyz

xxxx : Hardware option type (list of certification Hardware option type)

yy : FT spec.

z : BTO spec.

# EU-Type Examination Certificate

No. E6A 022021 0783 Rev. 16

## Hardware Option type for SGDXS

0000	0800	2000	4000	4800	8000	8040	A000	C000
0001	0801	2001	4001	4801	8001	8041	A001	C001
0002	0802	2002	4002	4802	8002	8042	A002	C002
0003	0803	2003	4003	4803	8003	8043	A003	C003
0004	0804							
0006	0806							
0008	0808	2008	4008	4808	8008	8048	A008	C008
0009	0809	2009	4009	4809	8009	8049	A009	C009
000A	080A	200A	400A	480A	800A	804A	A00A	C00A
000B	080B	200B	400B	480B	800B	804B	A00B	C00B
0010	0810	2010	4010	4810	8010	8060	A010	C010
0011	0811	2011	4011	4811	8011	8061	A011	C011
0012	0812	2012	4012	4812	8012	8062	A012	C012
0013	0813	2013	4013	4813	8013	8063	A013	C013
0018	0818	2018	4018	4818	8018	8068	A018	C018
0019	0819	2019	4019	4819	8019	8069	A019	C019
001A	081A	201A	401A	481A	801A	806A	A01A	C01A
001B	081B	201B	401B	481B	801B	806B	A01B	C01B
0020	0820	2020	4020	4820	8020		A020	C020
0021	0821	2021	4021	4821	8021		A021	C021
0022	0822	2022	4022	4822	8022		A022	C022
0023	0823	2023	4023	4823	8023		A023	C023
0024	0824							
0026	0826							
0028	0828	2028	4028	4828	8028		A028	C028
0029	0829	2029	4029	4829	8029		A029	C029
002A	082A	202A	402A	482A	802A		A02A	C02A
002B	082B	202B	402B	482B	802B		A02B	C02B
0030	0830	2030	4030	4830	8030		A030	C030
0031	0831	2031	4031	4831	8031		A031	C031
0032	0832	2032	4032	4832	8032		A032	C032
0033	0833	2033	4033	4833	8033		A033	C033
0038	0838	2038	4038	4838	8038		A038	C038
0039	0839	2039	4039	4839	8039		A039	C039
003A	083A	203A	403A	483A	803A		A03A	C03A
003B	083B	203B	403B	483B	803B		A03B	C03B



# EU-Type Examination Certificate

No. E6A 022021 0783 Rev. 16

## Hardware Option type for SGDXW

0000	1000
0001	1001
0002	1002
0003	1003
0004	1004
0005	1005
0006	1006
0007	1007
0010	1010
0011	1011
0012	1012
0013	1013
0014	1014
0015	1015
0016	1016
0017	1017
0020	1020
0021	1021
0022	1022
0023	1023
0024	1024
0025	1025
0026	1026
0027	1027
0030	1030
0031	1031
0032	1032
0033	1033
0034	1034
0035	1035
0036	1036
0037	1037



Product Service

# EU-Type Examination Certificate

No. E6A 022021 0783 Rev. 16

## Hardware Option type for SGDXT

0000	1000
0001	1001
0002	1002
0003	1003
0004	1004
0005	1005
0006	1006
0007	1007
0020	1020
0021	1021
0022	1022
0023	1023
0024	1024
0025	1025
0026	1026
0027	1027
0080	1080
0081	1081
0082	1082
0083	1083
0084	1084
0085	1085
0086	1086
0087	1087

# EU-Type Examination Certificate

No. E6A 022021 0783 Rev. 16

**SGDXS model Y Spec.**

SGDXS-R70A00AY*****	SGDXS-R70AM0AY*****
SGDXS-R90A00AY*****	SGDXS-R90AM0AY*****
SGDXS-1R6A00AY*****	SGDXS-1R6AM0AY*****
SGDXS-2R8A00AY*****	SGDXS-2R8AM0AY*****
SGDXS-3R8A00AY*****	SGDXS-3R8AM0AY*****
SGDXS-5R5A00AY*****	SGDXS-5R5AM0AY*****
SGDXS-7R6A00AY*****	SGDXS-7R6AM0AY*****
SGDXS-120A00AY*****	SGDXS-120AM0AY*****
SGDXS-180A00AY*****	SGDXS-180AM0AY*****
SGDXS-200A00AY*****	SGDXS-200AM0AY*****
SGDXS-330A00AY*****	SGDXS-330AM0AY*****
SGDXS-470A00AY*****	SGDXS-470AM0AY*****
SGDXS-550A00AY*****	SGDXS-550AM0AY*****
SGDXS-590A00AY*****	SGDXS-590AM0AY*****
SGDXS-780A00AY*****	SGDXS-780AM0AY*****
SGDXS-R70A40AY*****	SGDXS-R70AA0AY*****
SGDXS-R90A40AY*****	SGDXS-R90AA0AY*****
SGDXS-1R6A40AY*****	SGDXS-1R6AA0AY*****
SGDXS-2R8A40AY*****	SGDXS-2R8AA0AY*****
SGDXS-3R8A40AY*****	SGDXS-3R8AA0AY*****
SGDXS-5R5A40AY*****	SGDXS-5R5AA0AY*****
SGDXS-7R6A40AY*****	SGDXS-7R6AA0AY*****
SGDXS-120A40AY*****	SGDXS-120AA0AY*****
SGDXS-180A40AY*****	SGDXS-180AA0AY*****
SGDXS-200A40AY*****	SGDXS-200AA0AY*****
SGDXS-330A40AY*****	SGDXS-330AA0AY*****
SGDXS-470A40AY*****	SGDXS-470AA0AY*****
SGDXS-550A40AY*****	SGDXS-550AA0AY*****
SGDXS-590A40AY*****	SGDXS-590AA0AY*****
SGDXS-780A40AY*****	SGDXS-780AA0AY*****
	SGDXS-5R5A00AY0402*

ZERTIFIKAT ◆ CERTIFICATE ◆ 認 證 證 書 ◆ CERTIFICADO ◆ CERTIFIKAT ◆ CERTIFICAT

# EU-Type Examination Certificate

No. E6A 022021 0783 Rev. 16

**SGDXS model Y Spec.**

SGDXS-1R9D00AY*****	SGDXS-1R9DM0AY*****
SGDXS-3R5D00AY*****	SGDXS-3R5DM0AY*****
SGDXS-5R4D00AY*****	SGDXS-5R4DM0AY*****
SGDXS-8R4D00AY*****	SGDXS-8R4DM0AY*****
SGDXS-120D00AY*****	SGDXS-120DM0AY*****
SGDXS-170D00AY*****	SGDXS-170DM0AY*****
SGDXS-210D00AY*****	SGDXS-210DM0AY*****
SGDXS-260D00AY*****	SGDXS-260DM0AY*****
SGDXS-280D00AY*****	SGDXS-280DM0AY*****
SGDXS-370D00AY*****	SGDXS-370DM0AY*****
SGDXS-450D00AY*****	SGDXS-450DM0AY*****
SGDXS-750D00AY*****	SGDXS-750DM0AY*****
SGDXS-131J00AY*****	SGDXS-131JM0AY*****
SGDXS-1R9D40AY*****	SGDXS-1R9DA0AY*****
SGDXS-3R5D40AY*****	SGDXS-3R5DA0AY*****
SGDXS-5R4D40AY*****	SGDXS-5R4DA0AY*****
SGDXS-5R4D40AY*****	SGDXS-8R4DA0AY*****
SGDXS-120D40AY*****	SGDXS-120DA0AY*****
SGDXS-170D40AY*****	SGDXS-170DA0AY*****
SGDXS-210D40AY*****	SGDXS-210DA0AY*****
SGDXS-260D40AY*****	SGDXS-260DA0AY*****
SGDXS-280D40AY*****	SGDXS-280DA0AY*****
SGDXS-370D40AY*****	SGDXS-370DA0AY*****
SGDXS-450D40AY*****	SGDXS-450DA0AY*****
SGDXS-750D40AY*****	SGDXS-750DA0AY*****
SGDXS-131J40AY*****	SGDXS-131JA0AY*****

ZERTIFIKAT ◆ CERTIFICATE ◆ 認 證 證 書 ◆ CERTIFICADO ◆ CERTIFICAT



Product Service

# EU-Type Examination Certificate

No. E6A 022021 0783 Rev. 16

## SGDXW model Y Spec.

SGDXW-1R6A40AY*****
SGDXW-2R8A40AY*****
SGDXW-5R5A40AY*****
SGDXW-7R6A40AY*****
SGDXW-1R6AA0AY*****
SGDXW-2R8AA0AY*****
SGDXW-5R5AA0AY*****
SGDXW-7R6AA0AY*****

## SGDXT model Y Spec.

SGDXT-1R6A40AY*****
SGDXT-2R8A40AY*****
SGDXT-1R6AA0AY*****
SGDXT-2R8AA0AY*****



# EU-Type Examination Certificate

No. E6A 022021 0783 Rev. 16

B+C: Continuous Output Current Type for SGDXS

Group	Rated input current			Rated output power		Note	
	Input voltage	Number of phase	Input current	Output current	Output power		
R70 A	AC200V	Three	0.4[A]	0.66[A]	0.05kW		
		Single	0.8[A]				
	DC270V	-	0.5[A]				
R90 A	AC200V	Three	0.8[A]	0.91[A]	0.1kW		
		Single	1.6[A]				
	DC270V	-	1.0[A]				
1R6 A	AC200V	Three	1.3[A]	1.6[A]	0.2kW		
		Single	2.4[A]				
	DC270V	-	1.5[A]				
2R8 A	AC200V	Three	2.5[A]	2.8[A]	0.4kW		
		Single	5.0[A]				
	DC270V	-	3.0[A]				
3R8 A	AC200V	Three	3.0[A]	3.8[A]	0.5kW		
	DC270V	-	3.8[A]				
	AC200V	Single	3.0[A]		0.2kW		Hardware Option 8***, A***, C***only
5R5 A	AC200V	Three	4.1[A]	5.5[A]	0.75kW		
		Single	8.7[A]				
	DC270V	-	4.9[A]	4.4[A]	0.75kW	Fan-less Hardware Option 8*** only	
		AC200V	Three				4.1[A]
		Single	8.7[A]				
7R6 A	AC200V	Three	5.7[A]	7.6[A]	1.0kW		
	DC270V	-	6.9[A]				
	AC200V	Single	5.7[A]		0.4kW		Hardware Option 8***, A***, C***only
120 A	AC200V	Three	7.3[A]	11.6[A]	1.5kW	Single phase is Hardware option ***8 only	
		Single	16[A]				
	DC270V	-	11[A]		0.6kW	Hardware Option 8***, A***, C***only	
	AC200V	Single	7.3[A]				
180 A	AC200V	Three	10[A]	18.5[A]	2.0kW		
	DC270V	-	14[A]				
	AC200V	Single	10[A]		0.8kW		Hardware Option 8***, A***, C***only
200 A	AC200V	Three	15[A]	19.6[A]	3.0kW		
	DC270V	-	20[A]				
	AC200V	Single	15[A]		1.2kW		Hardware Option 8***, A***, C***only
330 A	AC200V	Three	25[A]	32.9[A]	5kW		
	DC270V	-	34[A]				
470 A	AC200V	Three	29[A]	46.9[A]	6kW		
	DC270V	-	36[A]				
550 A	AC200V	Three	37[A]	54.7[A]	7.5kW		
	DC270V	-	48[A]				
590 A	AC200V	Three	54[A]	58.6[A]	11kW		
	DC270V	-	68[A]				
780 A	AC200V	Three	73[A]	78.0[A]	15kW		
	DC270V	-	92[A]				

# EU-Type Examination Certificate

No. E6A 022021 0783 Rev. 16

B+C: Continuous Output Current Type for SGDXS

Group	Rated input current			Rated output power		Note
	Input voltage	Number of phase	Input current	Output current	Output power	
1R9 D	AC400V	Three	1.4[A]	1.9[A]	0.5kW	
	DC540V	-	2.0[A]			
3R5 D	AC400V	Three	2.9[A]	3.5[A]	1kW	
	DC540V	-	3.0[A]			
5R4 D	AC400V	Three	4.3[A]	5.4[A]	1.5kW	
	DC540V	-	5.5[A]			
8R4 D	AC400V	Three	5.8[A]	8.4[A]	2kW	
	DC540V	-	6.8[A]			
120 D	AC400V	Three	8.6[A]	11.9[A]	3kW	
	DC540V	-	11.0[A]			
170 D	AC400V	Three	14.5[A]	16.5[A]	5kW	
	DC540V	-	18.0[A]			
210 D	AC400V	Three	17.4[A]	20.8[A]	6kW	
	DC540V	-	19.6[A]			
260 D	AC400V	Three	21.7[A]	25.7[A]	7.5kW	
	DC540V	-	26.2[A]			
280 D	AC400V	Three	31.8[A]	28.1[A]	11kW	
	DC540V	-	38.3[A]			
370 D	AC400V	Three	43.4[A]	37.2[A]	15kW	
	DC540V	-	47.6[A]			
450 D	AC400V	Three	43.1[A]	45[A]	22kW	
750 D	AC400V	Three	58.3[A]	75[A]	30kW	
131 J	DC540V	-	133[A]	130[A]	55kW	

# EU-Type Examination Certificate

No. E6A 022021 0783 Rev. 16

B+C: Continuous Output Current Type for SGDXW

Group	Rated input power			Rated output power per 1-axis		Note
	Input voltage	Number of phase	Input current	Output current	Output power	
1R6 A	AC200V	Three	2.5[A]	1.6[A]	0.2kW	
		Single	5.5[A]			
	DC270V	-	3.0[A]			
2R8 A	AC200V	Three	4.7[A]	2.8[A]	0.4kW	
		Single	11[A]			
	DC270V	-	5.8[A]			
5R5 A	AC200V	Three	7.8[A]	5.5[A]	0.75kW	
		Single	12[A]			
	DC270V	-	9.7[A]			
7R6 A	AC200V	Three	11[A]	7.6[A]	1.0kW	
	DC270V	-	14[A]			

B+C: Continuous Output Current Type for SGDXT

Group	Rated input power			Rated output power per 1-axis		Note
	Input voltage	Number of phase	Input current	Output current	Output power	
1R6 A	AC200V	Three	3.9[A]	1.6[A]	0.2kW	
		Single	7.2[A]			
	DC270V	-	4.5[A]			
2R8 A	AC200V	Three	7.5[A]	2.8[A]	0.4kW	
		Single	12[A]			
	DC270V	-	9[A]			

# EU-Type Examination Certificate

No. E6A 022021 0783 Rev. 16

## C: Rated Input/Output Voltage Type

Group	Rated Voltage Type		Note
	Input Voltage	Output Voltage	
A	200V3ac,ac 270Vdc	200V3ac	
D	400V3ac 540Vdc	400V3ac	Y-Connection power supply only
J	540Vdc	400V3ac	

## D: Interface Type

Group	Interface Type	Note
00	Analog & Pulse I/F	Sigma-XS model only.
40	MECHATROLINK-4/-III I/F	MECHATROLINK-4 and -III can be switched.
M0	STAND-ALONE CUSTOM I/F	Hardware is the same as MECHATROLINK-4/-III I/F.
A0	EtherCAT I/F	

## E: Design Order

Group	Design Order	Note
A	Standard	

## F: Hardware Option Type

Digit	Bit	Hardware option specification	Note
14	0	Add the HWBB(STO) function	SGDXW and SGDXT
	1	Extended function specification1	MECHATROLINK-4 and -III
	2	Extended function specification2	EtherCAT only
	3	Standard type for the Chinese market	
15	0		
	1		
	2		
	3	Current detection IC change	
16	0	Analog Voltage FB input type	
	1	External DB resistor type or Without DB	
	2	Supports Digital Operator	Analog & Pulse I/F with Hardware option "Standard type for the Chinese market type" only
	3	DO Output common	SGDXT only
17	0	Rack-mounted or Duct-ventilated type	
	1	Varnish coating	
	2	Measures for vibration	
	3	200Vac(Single phase) input type	SGDXS-120A only
0000 (blank)		Hardware Option none	

Note : The type of each digit is shown by a hex digit consisting of each bit.

e.g.)

SGDXW-1R6A40A + HWBB option + External DB resistor type + Rack-mounted + Varnish coating

Hardware option code is "1023". Details are shown below.

Digit 14 : 0001h = 1

Digit 15 : 0000h = 0

Digit 16 : 0010h = 2

Digit 17 : 0011h = 3

Then, the product type is "SGDXW-1R6A40A1023"

# EU-Type Examination Certificate

No. E6A 022021 0783 Rev. 16

G: Software Option Type

Group	Difference from Standard		Note
	Hardware	Software	
Blank	Same	Same	Standard or Hardware Option Spec. only.
00	Same or Diff.	Same	BTO order for Standard spec. and Hardware Option Spec
**	Same or Diff.	Diff.	FT Spec.

Note.1: 9\* is customized the safety related Software.

H: Order Type

Group	Order Type	Note
Blank	Standard order	
B	BTO order	



# EU-Type Examination Certificate

No. E6A 022021 0783 Rev. 16

## 2. Y Spec.

<u>SGDX*-</u>	<u>***</u>	<u>*</u>	<u>**</u>	<u>*</u>	<u>Y</u>	<u>****</u>
A	B	C	D	E	F	G

Ex: Y spec. SGDX\*- \*\*\* \* \* \* Y \*\*\*\*

A: Model

Group	Model	Note
SGDXS	Sigma-X series SERVOPACK Sigma-XS model	Control of 1 axis
SGDXW	Sigma-X series SERVOPACK Sigma-XW model	Control of 2 axes
SGDXT	Sigma-X series SERVOPACK Sigma-XT model	Control of 3 axes

# EU-Type Examination Certificate

No. E6A 022021 0783 Rev. 16

B+C: Continuous Output Current Type for SGDXS

Group	Rated input current			Rated output power		Note
	Input voltage	Number of phase	Input current	Output current	Output power	
R70 A	AC200V	Three	0.4[A]	0.66[A]	0.05kW	
		Single	0.8[A]			
	DC270V	-	0.5[A]			
R90 A	AC200V	Three	0.8[A]	0.91[A]	0.1kW	
		Single	1.6[A]			
	DC270V	-	1.0[A]			
1R6 A	AC200V	Three	1.3[A]	1.6[A]	0.2kW	
		Single	2.4[A]			
	DC270V	-	1.5[A]			
2R8 A	AC200V	Three	2.5[A]	2.8[A]	0.4kW	
		Single	5.0[A]			
	DC270V	-	3.0[A]			
3R8 A	AC200V	Three	3.0[A]	3.8[A]	0.5kW	
	DC270V	-	3.8[A]			
	AC200V	Single	3.0[A]	0.2kW	Hardware Option 8***, A***, C***only	
5R5 A	AC200V	Three	4.1[A]	5.5[A]	0.75kW	
		Single	8.7[A]			
	DC270V	-	4.9[A]	4.4[A]	0.75kW	Fan-less Hardware Option 8*** only
		AC200V	Three			
	DC270V	-	4.9[A]			
7R6 A	AC200V	Three	5.7[A]	7.6[A]	1.0kW	
	DC270V	-	6.9[A]			
	AC200V	Single	5.7[A]	0.4kW	Hardware Option 8***, A***, C***only	
120 A	AC200V	Three	7.3[A]	11.6[A]	1.5kW	Single phase is Hardware option ***8 only
		Single	16[A]			
	DC270V	-	11[A]	0.6kW	Hardware Option 8***, A***, C***only	
	AC200V	Single	7.3[A]			
180 A	AC200V	Three	10[A]	18.5[A]	2.0kW	
	DC270V	-	14[A]			
	AC200V	Single	10[A]	0.8kW	Hardware Option 8***, A***, C***only	
200 A	AC200V	Three	15[A]	19.6[A]	3.0kW	
	DC270V	-	20[A]			
	AC200V	Single	15[A]	1.2kW	Hardware Option 8***, A***, C***only	
330 A	AC200V	Three	25[A]	32.9[A]	5kW	
	DC270V	-	34[A]			
470 A	AC200V	Three	29[A]	46.9[A]	6kW	
	DC270V	-	36[A]			
550 A	AC200V	Three	37[A]	54.7[A]	7.5kW	
	DC270V	-	48[A]			
590 A	AC200V	Three	54[A]	58.6[A]	11kW	
	DC270V	-	68[A]			
780 A	AC200V	Three	73[A]	78.0[A]	15kW	
	DC270V	-	92[A]			

# EU-Type Examination Certificate

No. E6A 022021 0783 Rev. 16

B+C: Continuous Output Current Type for SGDXS

Group	Rated input current			Rated output power		Note
	Input voltage	Number of phase	Input current	Output current	Output power	
1R9 D	AC400V	Three	1.4[A]	1.9[A]	0.5kW	
	DC540V	-	2.0[A]			
3R5 D	AC400V	Three	2.9[A]	3.5[A]	1kW	
	DC540V	-	3.0[A]			
5R4 D	AC400V	Three	4.3[A]	5.4[A]	1.5kW	
	DC540V	-	5.5[A]			
8R4 D	AC400V	Three	5.8[A]	8.4[A]	2kW	
	DC540V	-	6.8[A]			
120 D	AC400V	Three	8.6[A]	11.9[A]	3kW	
	DC540V	-	11.0[A]			
170 D	AC400V	Three	14.5[A]	16.5[A]	5kW	
	DC540V	-	18.0[A]			
210 D	AC400V	Three	17.4[A]	20.8[A]	6kW	
	DC540V	-	19.6[A]			
260 D	AC400V	Three	21.7[A]	25.7[A]	7.5kW	
	DC540V	-	26.2[A]			
280 D	AC400V	Three	31.8[A]	28.1[A]	11kW	
	DC540V	-	38.3[A]			
370 D	AC400V	Three	43.4[A]	37.2[A]	15kW	
	DC540V	-	47.6[A]			
450 D	AC400V	Three	43.1[A]	45[A]	22kW	
750 D	AC400V	Three	58.3[A]	75[A]	30kW	
131 J	DC540V	-	133[A]	130[A]	55kW	

# EU-Type Examination Certificate

No. E6A 022021 0783 Rev. 16

B+C: Continuous Output Current Type for SGDXW

Group	Rated input power			Rated output power per 1-axis		Note
	Input voltage	Number of phase	Input current	Output current	Output power	
1R6 A	AC200V	Three	2.5[A]	1.6[A]	0.2kW	
		Single	5.5[A]			
	DC270V	-	3.0[A]			
2R8 A	AC200V	Three	4.7[A]	2.8[A]	0.4kW	
		Single	11[A]			
	DC270V	-	5.8[A]			
5R5 A	AC200V	Three	7.8[A]	5.5[A]	0.75kW	
		Single	12[A]			
	DC270V	-	9.7[A]			
7R6 A	AC200V	Three	11[A]	7.6[A]	1.0kW	
	DC270V	-	14[A]			

B+C: Continuous Output Current Type for SGDXT

Group	Rated input power			Rated output power per 1-axis		Note
	Input voltage	Number of phase	Input current	Output current	Output power	
1R6 A	AC200V	Three	3.9[A]	1.6[A]	0.2kW	
		Single	7.2[A]			
	DC270V	-	4.5[A]			
2R8 A	AC200V	Three	7.5[A]	2.8[A]	0.4kW	
		Single	12[A]			
	DC270V	-	9[A]			

# EU-Type Examination Certificate

No. E6A 022021 0783 Rev. 16

C: Rated Input/Output Voltage Type

Group	Rated Voltage Type		Note
	Input Voltage	Output Voltage	
A	200V3ac,ac 270Vdc	200V3ac	
D	400V3ac 540Vdc	400V3ac	Y-Connection power supply only
J	540Vdc	400V3ac	

D: Interface Type

Group	Interface Type	Note
00	Analog & Pulse I/F	Sigma-XS model only.
40	MECHATROLINK-4/-III I/F	MECHATROLINK-4 and -III can be switched.
M0	STAND-ALONE CUSTOM I/F	Hardware is the same as MECHATROLINK-4/-III I/F.
A0	EtherCAT I/F	

E: Design Order

Group	Design Order	Note
A	Standard	

F: Specification Type

Group	Specification Type	Note
Y	Y Specification	

F+G: Y Specification Type

Group	Difference from Standard / Hardware Option		Note
	Hardware	Software	
Y*5***	Same	Diff.	Customized for non-safety related parameters and software.
Y*6***	Same	Diff.	Customized for non-safety related parameters and software.
Y*7***	Same	Diff.	Customized for non-safety related parameters and software.
Y*8***	Same	Diff.	Customized for non-safety related parameters and software.
Y*9***	Same	Diff.	Customized for non-safety related parameters and software.
Y0402*	Diff.	Diff.	SGDXS-5R5A00AY0402* only

# EU-Type Examination Certificate

No. E6A 022021 0783 Rev. 16

**Description of Object:**

Rated Voltage:	200 VAC (1 phase, 3 phase), 400 VAC (3 phase), 270 VDC, 540 VDC
Rated Power:	0.05 kW - 55 kW
Remark:	All aspects of the essential requirements were assessed.

**Tested  
according to:**

EN 55011:2016/A11:2020 (Group 1, Class A)  
EN 61000-6-4:2007/A1:2011  
EN 61000-6-2:2005  
EN 61800-3:2004/A1:2012 (Category C2, Second environment)