

EU Declaration of Conformity

Original – English

YASKAWA ELECTRIC CORPORATION
480 Kamifujisawa, Iruma-Shi Saitama 358-8555 Japan

declares under sole responsibility conformity of the following products

AC Servo Amplifiers SERVOPACK

Model: SGD7S-*** , SGD7W-***** ,
SGD7C-*******

(Refer to page 8 for the details of the model designation covered by this declaration of conformity)

Serial Number: FFYYM*****
(FF = D0, 1A, F0, 1R, 1W
YY = 22...27
M = 1...9, X, Y, Z
***** = 8 digits of alphanumeric character

The object of the declaration: Directive of the European Parliament and Council

| | |
|---|---|
| Electromagnetic Compatibility Directive (EMC): | 2014/30/EU |
| Low Voltage Directive (LVD): | 2014/35/EU |
| Machine Directive (MD): | 2006/42/EC |
| Restriction of the use of certain Hazardous Substances (RoHS): | 2011/65/EU amended by (EU)2015/863 |

| | |
|--------------------------------------|---|
| Applied harmonized standards: | EN 55011: 2016/A11:2020 (Group 1, Class A) EN 61800-3: 2004/A1: 2012 (Cat. C2, Second Environment) EN 61000-6-2: 2005 EN 61000-6-4: 2007/A1: 2011 EN 62061: 2005/A2: 2015 (SILCL 3) EN ISO 13849-1: 2015 (PL e (Cat.3)) EN 61800-5-1: 2007/A1:2017 EN 61800-5-2: 2007 (SIL 3) EN IEC 63000: 2018 |
|--------------------------------------|---|

| | |
|--|---|
| Person located in the EU that is authorized to compile technical file | YASKAWA Europe GmbH Hauptstrasse 185, 65760 Eschborn, Germany |
|--|---|

YASKAWA ELECTRIC CORPORATION
480 Kamifujisawa, Iruma-shi, Saitama 358-8555 Japan

Saitama – JAPAN / 20th July 2022
Place / Date

Factory Manager


Name: Satoru Shiraiishi

EU Declaration of Conformity

YASKAWA

Ref. No. 900-247-306 <2>

Page 2

Translation – German | French | Italian | Spanish | Portugese

EG-Konformitätserklärung | Déclaration de conformité CE | Dichiarazione di conformità CE

Declaración de Conformidad de la CE | Declaração de Conformidade CE

YASKAWA ELECTRIC CORPORATION

480 Kamifujisawa, Iruma-Shi Saitama 358-8555 Japan

declares under sole responsibility conformity of the following products

erklärt in alleiniger Verantwortung die Konformität für folgende Produkte

déclare, sous sa seule responsabilité, que-les produits

dichiara sotto la propria esclusiva responsabilità la conformità dei seguenti prodotti

bajo su exclusiva responsabilidad la conformidad para los siguientes productos

declara, sob a sua exclusiva responsabilidade, a conformidade dos seguintes produtos

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/8 dígitos de carácter alfanumérico/8 dígitos de caractere alfanumérico**The object of the declaration: Directive of the European Parliament and Council**

Richtlinie des Europäischen Parlamentes und Rates / Directive du Parlement européen et du Conseil /

Direttiva del Parlamento europeo e del Consiglio / Directiva del Parlamento Europeo y del Consejo /

Diretiva do Parlamento Europeu e do Conselho

Electromagnetic Compatibility Directive (EMC):**2014/30/EU**

EMV-Richtlinie / Directive CEM/ Direttiva EMC /

Directiva sobre Compatibilidad Electromagnética / Diretiva CEM

Low Voltage Directive (LVD):**2014/35/EU**

Niederspannungsrichtlinie / Directive Basse Tension / Direttiva sulla bassa tensione /

Directiva de Baja Tensión / Diretiva "Baixa Tensão"

Machine Directive (MD):**2006/42/EC**

Maschinenrichtlinie / Directive machine / Direttiva Macchine /

Directiva de Máquinas / Directiva de máquinas

Restriction of the use of certain Hazardous Substances**2011/65/EU****(RoHS):****amended by (EU)2015/863**

Beschränkung der Verwendung bestimmter gefährlicher Stoffe in Elektro- und Elektronikgeräten.

Relative à la limitation de l'utilisation de certaines substances dangereuses dans les équipements électriques et électroniques.

Sulla restrizione dell'uso di determinate sostanze pericolose nelle apparecchiature elettriche ed elettroniche.

Sobre restricciones a la utilización de determinadas substancias peligrosas en aparatos eléctricos y electrónicos.

Relativa à restrição do uso de determinadas substâncias perigosas em equipamentos elétricos e eletrônicos.

Applied harmonized standards:

EN 55011: 2016/A11:2020 (Group 1, Class A)

EN 61800-3: 2004/A1: 2012

(Cat. C2, Second Environment)

EN 61000-6-2: 2005

EN 61000-6-4: 2007/A1: 2011

EN 62061: 2005/A2: 2015 (SILCL 3)

EN ISO 13849-1: 2015 (PL e (Cat.3))

EN 61800-5-1: 2007/A1:2017

EN 61800-5-2: 2007 (SIL 3)

EN IEC 63000: 2018

Person located in the EU that is authorized to compile technical file**YASKAWA Europe GmbH**

Zur Zusammenstellung technischer Unterlagen bevollmächtigt:

Hauptstrasse 185, 65760 Eschborn, Germany

In der EU ansässige Person, die berechtigt ist, technische Unterlagen zusammenzustellen

Personne située dans l'UE qui est autorisée à constituer le dossier technique

Persona con sede nell'UE autorizzata a compilare fascicolo tecnico

Pessoa localizada na UE que está autorizada a compilar o arquivo técnico

YASKAWA ELECTRIC CORPORATION

480 Kamifujisawa, Iruma-shi, Saitama 358-8555 Japan

Saitama – JAPAN / 20th July 2022

Factory Manager

Place / Date

Ort, Datum / Lieu et date / Luogo, data

Lugar, Fecha / Local, data



Name: Satoru Shirashi

EU Declaration of Conformity

Translation - Croatian | Slovene | Maltese

EZ Izjava o sukladnosti | Deklaracija o skladnosti ES
Dikjarazzjoni tal-KE dwar il-Konformità

YASKAWA ELECTRIC CORPORATION
480 Kamifujisawa, Iruma-Shi Saitama 358-8555 Japan

declares under sole responsibility conformity of the following products
pod isključivom odgovornošću izjavljuje sukladnost sljedećih proizvoda
na lastno odgovornost potrjuje skladnost naslednjih izdelkov
tid dikjara taht ir-responsabbiltà unika taghha l-konformità tal-prodotti li gėjjin

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The object of the declaration: Directive of the European Parliament and Council

Direktiva Evropskog parlamenta i Vijeća / Direktiva Evropskega parlamenta in Sveta
Direttiva tal-Parlament Ewropew u tal-Kunsill

Electromagnetic Compatibility Directive (EMC): 2014/30/EU

Direktiva o elektromagnetskoj kompatibilnosti (EMC) / EMC direktiva
Direttiva dwar l-EMC

Low Voltage Directive (LVD): 2014/35/EU

Direktiva o niskom naponu / Nizkonapetostna direktiva
Direttiva dwar il-Voltaġġ Baxx

Machine Directive (MD): 2006/42/EC

Direktiva o strojevima / Direktiva o strojih / Direttiva tal-Magni

Restriction of the use of certain Hazardous Substances (RoHS): 2011/65/EU
amended by (EU)2015/863

O ograničenju uporabe određenih opasnih tvari u električnoj i elektroničkoj opremi.
O omejevanju uporabe nekaterih nevarnih snovi v električni in elektronski opremi.
Dwar ir-restrizzjoni tal-użu ta' čerti sustanzi perikoluži fit-taghmir eletrriku u elettroniku.

Applied harmonized standards:

Korišteni usklađeni standardi
Uporabljene usklajeni standardi
Standard applikati armonizzati

EN 55011: 2016/A11:2020 (Group 1, Class A)
EN 61800-3: 2004/A1: 2012
(Cat. C2, Second Environment)
EN 61000-6-2: 2005
EN 61000-6-4: 2007/A1: 2011
EN 62061: 2005/A2: 2015 (SILCL 3)
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EN 61800-5-1: 2007/A1:2017
EN 61800-5-2: 2007 (SIL 3)
EN IEC 63000: 2018

Person located in the EU that is authorized to compile technical file

Osoba koja se nalazi u EU koja je ovlaštena sastavljati tehničku dokumentaciju
Osoba s sedežem v EU, ki je pooblaščen za sestavljanje tehnične dokumentacije
Persuna li tinsab fl-UE li hija awtorizzata biex tiġbor fajl tekniku

YASKAWA Europe GmbH

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YASKAWA ELECTRIC CORPORATION
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Place / Date

Miejscowość, data / Vieta, data / Misto, datum

Miesto, dátum / Hely, dátum

Factory Manager


Name: Satoru Shiraishi

EU Declaration of Conformity

YASKAWA

Ref. No. 900-247-306 <2>

Page 4

Translation - Dutch | Irish | Greek | Bulgarian | Romanian
EG-conformiteitsverklaring | Dearbhú Comhréachta AE
Δήλωση Συμμόρφωσης ΕΚ | ΕΟ-Декларация за съответствие
Declarație de conformitate CE

YASKAWA ELECTRIC CORPORATION

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declares under sole responsibility conformity of the following products

verklaart onder eigen verantwoordelijkheid de conformiteit van de volgende producten
a dhearbhaíonn faoi fhreagracht aonair comhréachta na dtáirgí seo a leanas
επιβεβαιώνει, με αποκλειστική του ευθύνη, τη συμμόρφωση των ακόλουθων προϊόντων
декларира на собствена отговорност съответствието на следния продукт
declară pe răspunderea sa exclusivă conformitatea următoarelor produse

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***** = 8 cijfers alfanumeriek teken / 8 ndigit de charactair alfa-uimhriúla / 8 ψηφία αλφαριθμητικού χαρακτήρα
8 цифри от буквено-цифрови символи / 8 cifre de caractere alfanumerice

The object of the declaration: Directive of the European Parliament and Council

Richtlijn van het Europese Parlement en de Europese Raad

Treoir ó Pharlaimint na hEorpa agus ón gComhairle / Οδηγία του Ευρωπαϊκού Κοινοβουλίου και του Συμβουλίου

Директива на Европейския парламент и Съвета / Directiva Parlamentului European și a Consiliului

Electromagnetic Compatibility Directive (EMC): **2014/30/EU**

EMC-richtlijn / Treoir maidir le Comhoiriúnacht Leictreamaighnéadach

Οδηγία ηλεκτρομαγνητικής συμβατότητας (EMC) / Директива за електромагнитна съвместимост / Directive CEM

Low Voltage Directive (LVD): **2014/35/EU**

Laagspanningsrichtlijn / Treoir maidir le hÍsealvoltas

Οδηγία για τη χαμηλή τάση / Директивата за ниско напрежение / Directive voltaj scăzut

Machine Directive (MD): **2006/42/EC**

Machinerichtlijn / Treoir Meaisín / Οδηγία για τις μηχανές

Директива за машините / Directiva Maşini

Restriction of the use of certain Hazardous Substances (RoHS): **2011/65/EU****amended by (EU)2015/863**

Betreffende beperking van het gebruik van bepaalde gevaarlijke stoffen in eleksche en elektronische apparatuur.

Srian ar úsáid Substaintí Guaiseacha áirithe (RoHS). / Περιορισμός στη χρήση ορισμένων επικίνδυνων ουσιών (RoHS)

Ограничение за употребата на определени опасни вещества.

Privind restricțiile de utilizare a anumitor substanțe periculoase in echipamentele electrice si electronice.

Applied harmonized standards:

Toegepaste geharmoniseerde normen

Cairdeáin chomhchuibhithe atá curtha i bhfeidhm

Εφαρμοσμένα εναρμονισμένα πρότυπα

Приложени хармонизирани стандарти

Standarde armonizate aplicate

EN 55011: 2016/A11:2020 (Group 1, Class A)

EN 61800-3: 2004/A1: 2012

(Cat. C2, Second Environment)

EN 61000-6-2: 2005

EN 61000-6-4: 2007/A1: 2011

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EN IEC 63000: 2018

Person located in the EU that is authorized to compile technical file

Persoon gevestigd in de EU die bevoegd is om technisch dossier samen te stellen

Duine atá lonnaithe san AE atá údaraithe chun comhad teicniúil a thiomsú

Πρόσωπο που βρίσκεται στην ΕΕ και είναι εξουσιοδοτημένο για τη σύνταξη τεχνικού φακέλου

Лице, намиращо се в ЕС, което е упълномощено да съставя техническо досие

O persoană situată în UE care este autorizată să întocmească un dosar tehnic

YASKAWA Europe GmbH

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YASKAWA ELECTRIC CORPORATION

480 Kamifujisawa, Iruma-shi, Saitama 358-8555 Japan

Saitama – JAPAN / 20th July 2022

Place / Date

Miejscowość, data / Vieta, data / Místo, datum

Miesto, dátum / Hely, dátum

Factory Manager



Name: Satoru Shiraishi

EU Declaration of Conformity

YASKAWA

Ref. No. 900-247-306 <2>

Page 5

Translation - Polish | Lithuanian | Czech | Slovak | Hungarian

Deklaracja zgodności WE | EB atitikties deklaracija

ES Prohlášení o shodě | Vyhlásenie o zhode ES

EK megfeleléségi nyilatkozat

YASKAWA ELECTRIC CORPORATION

480 Kamifujisawa, Iruma-Shi Saitama 358-8555 Japan

declares under sole responsibility conformity of the following products

oświadcza z wyłączną odpowiedzialnością, że niżej wymienione wyroby są zgodne z odpowiednimi przepisami unijnymi
prisiimdama atsakomybę patvirtina toliau nurodytų gaminių atitiktį
Prohlašuje na svou výhradní odpovědnost shodu níže uvedených výrobků
potvrzuje výlučnú zodpovednosť za zhodu pre nasledujúce výrobky
saját kizárólagos felelősségére kijelenti, hogy a következő termékek megfelelnek az alábbiakban megfogalmazott követelményeknek

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The object of the declaration: Directive of the European Parliament and Council

Dyrektywa Parlamentu Europejskiego i Rady / Europos Parlamento ir Tarybos direktyva

Směrnice Evropského parlamentu a Rady / Smernice Európskeho parlamentu a Rady

Az Európai Parlament és az Európai Tanács irányelve

Electromagnetic Compatibility Directive (EMC):

2014/30/EU

Dyrektywa EMC / EMS direktyva / Směrnice o elektromagnetické kompatibilitě

Smernica EMC / Elektromágneses összeférhetőségről szóló irányelv

Low Voltage Directive (LVD):

2014/35/EU

Dyrektywa dot. niskich napięć / Žemos įtampos direktyva

Směrnice o zařízeních nízkého napětí / Smernica o nízkom napätí / Kisfeszültségről szóló irányelv

Machine Directive (MD):

2006/42/EC

Dyrektywa Maszynowa / Mašinų direktyva / Směrnice o strojích

Smernica o strojach / Gépirányelv

Restriction of the use of certain Hazardous Substances (RoHS):

2011/65/EU**amended by (EU)2015/863**

W sprawie ograniczenie stosowania niektórych niebezpiecznych substancji w sprzecie elektrycznym i elektronicznym.

Del tam tikrų pavojingų medžiagų naudojimo elektros ir elektroninėje irangoje apraibojimo.

O omezení používání některých nebezpečných látek v elektrických a elektronických zařízeních.

O obmedzení používania určitých nebezpečných látok v elektrických a elektronických zariadeniach.

Egyes veszélyes anyagok elektromos és elektronikus berendezésekben való alkalmazásának korlátozásáról.

Applied harmonized standards:

EN 55011: 2016/A11:2020 (Group 1, Class A)

EN 61800-3: 2004/A1: 2012

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EN ISO 13849-1: 2015 (PL e (Cat.3))

EN 61800-5-1: 2007/A1:2017

EN 61800-5-2: 2007 (SIL 3)

EN IEC 63000: 2018

Zastosowano normy zharmonizowane

Taikomi darnieji standartai

Použité související normy

Použité harmonizované normy

Alkalmazott harmonizált szabványok

Person located in the EU that is authorized to compile technical file

Osoba przebywająca w UE, która jest upoważniona do sporządzenia dokumentacji technicznej

ES esantis asmuo, įgaliotas sudaryti techninę bylą

Osoba se sídlem v EU, která je oprávněna sestavit technickou dokumentaci

Osoba so sídlom v EÚ, ktorá je oprávnená zostaviť technickú dokumentáciu

Az EU-ban található, műszaki dokumentáció összeállítására jogosult személy

YASKAWA Europe GmbH

Hauptstrasse 185, 65760 Eschborn, Germany

YASKAWA ELECTRIC CORPORATION

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EU Declaration of Conformity

YASKAWA

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Page 6

Translation - Danish | Swedish | Finnish | Latvian | Estonian
EF-overensstemmelseserklæring | EG-försäkran om överensstämmelse
EY-vaatimustenmukaisuusvakuutus | EK atbilstības deklarācija
EÜ vastavusdeklaratsioon

YASKAWA ELECTRIC CORPORATION
480 Kamifujisawa, Iruma-Shi Saitama 358-8555 Japan

declares under sole responsibility conformity of the following products
erklærer som eneste ansvarlig overensstemmelsen for følgende produkter
försäkrar på eget ansvar att följande produkter uppfyller kraven på överensstämmelse
vakuuttaa yksinomaisella vastuullaan seuraavien tuotteiden vaatimustenmukaisuuden
uz savu atbildību paziņo par tālāk minēto izstrādājumu atbilstību
deklareerib ainuvastutusel järgmiste toodete vastavust

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***** = 8 cifre med alfanumerisk karakter / 8 siffror med alfanumeriska tecken / 8 numeros aakkosnumeerista merkkiä
8 burtu un ciparu rakstzīmju cipari / 8 tāhtnumbrilist numbrit

The object of the declaration: Directive of the European Parliament and Council

Europa-Parlamentets og Rådets direktiv / EU-direktiv / Euroopan parlamentin ja neuvoston direktiivi
Eiropas Parlamenta un Padomes Direktīva / Euroopa Parlamendi ja nõukogu direktiiv

Electromagnetic Compatibility Directive (EMC): 2014/30/EU

EMC-direktivet / EMC-direktivet / EMC-direktiivi
EMS direktīva / Elektromagnētīse ūhilduvuse direktiiv

Low Voltage Directive (LVD): 2014/35/EU

Lavspændingsdirektivet / Lågspänningsdirektivet / Pienjännitedirektiivi
Zemsprieguma direktīva / Madalpingedirektiiv

Machine Directive (MD): 2006/42/EC

Maskindirektivet / Maskindirektivet / Konedirektiivi
Mašīnu direktīva / Masina direktiiv

Restriction of the use of certain Hazardous Substances (RoHS): 2011/65/EU
amended by (EU)2015/863

Om begrænsning af anvendelsen af visse farlige stoffer i elektrisk og elektronisk udstyr.
Om begränsning av användning av vissa farliga ämnen i elektrisk och elektronisk utrustning.
Tiettyjen vaarallisten aineiden käytön rajoittamisesta sähkö- ja elektroniikkalaitteissa.
Part dažu bīstamu vielu izmantošanas ierobežošana elektriskās un elektroniskās iekārtās
Dél tam tikru pavoju medžiagu naudojimo elektros ir elektroninėje irangoje apribojimo.

Applied harmonized standards:

Anvendte harmoniserede standarder
Tillämpade harmoniserade standarder
Sovelletut yhdenmukaistetut standardit
Piemēroti saskaņotie standarti
Kehtivad harmoniseeritud standardid

EN 55011: 2016/A11:2020 (Group 1, Class A)
EN 61800-3: 2004/A1: 2012
(Cat. C2, Second Environment)
EN 61000-6-2: 2005
EN 61000-6-4: 2007/A1: 2011
EN 62061: 2005/A2: 2015 (SILCL 3)
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EN 61800-5-1: 2007/A1:2017
EN 61800-5-2: 2007 (SIL 3)
EN IEC 63000: 2018

Person located in the EU that is authorized to compile technical file

Person beliggende i EU, der er autoriseret til at udarbejde teknisk fil
Person inom EU som är behörig att sammanställa teknisk fil
EU:ssa sijaitseva henkilö, jolla on oikeus laatia tekninen tiedosto
Persona, kas atrodas ES un ir pilnvarota sastādīt tehnisko dokumentāciju
ELis asuv isik, kellel on õigus koostada tehnilist toimikut

YASKAWA Europe GmbH

Hauptstrasse 185, 65760 Eschborn, Germany

YASKAWA ELECTRIC CORPORATION
480 Kamifujisawa, Iruma-shi, Saitama 358-8555 Japan

Saitama – JAPAN / 20th July 2022
Place / Date
By, dato / Ort och datum / Paikka, pvm
Vieta, datums / Koht, kuupäev

Factory Manager


Name: Satoru Shiraishi

UK Declaration of Conformity

Original – English

YASKAWA ELECTRIC CORPORATION
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The objective of the declaration: UK Statutory Instruments

Electromagnetic Compatibility Regulation 2016

Electrical Equipment (Safety) Regulation 2016

Supply of Machinery (Safety) Regulations 2008

**Restriction of the use of Certain Hazardous Substances in
Electrical and Electronic Equipment Regulation 2012**

Applied designated Standards:

EN 55011: 2016/A11:2020 (Group 1, Class A)
EN 61800-3: 2004/A1: 2012
(Cat. C2, Second Environment)
EN 61000-6-2: 2005
EN 61000-6-4: 2007/A1: 2011
EN 62061: 2005/A2: 2015 (SILCL 3)
EN ISO 13849-1: 2015 (PL e (Cat.3))
EN 61800-5-1: 2007/A1:2017
EN 61800-5-2: 2007 (SIL 3)
EN IEC 63000: 2018

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Saitama – JAPAN / 20th July 2022
Place / Date

Factory Manager


Name: Satoru Shirafishi

Model designation covered by this declaration of conformity

SGD7* *** * ** * *** * ** * (12-19 characters)
 A B C D E F G H I

A: Model

| Group | Model | Note |
|-------|---|-------------------|
| SGD7S | Sigma-7 series SERVOPACK Sigma-7S model | Control of 1 axis |
| SGD7W | Sigma-7 series SERVOPACK Sigma-7W model | Control of 2 axes |
| SGD7C | Sigma-7 series SERVOPACK Sigma-7C model | Control of 2 axes |

B+C: Continuous Output Current Type for SGD7S

| Group | Rated input power | | | Rated output power | | Note |
|-------|-------------------|-----------------|---------------|--------------------|--------------|------|
| | Input voltage | Number of phase | Input current | Output current | Output power | |
| R70F | AC100V | Single | 1.5[A] | 0.66[A] | 0.05kW | |
| R90F | | Single | 2.5[A] | 0.91[A] | 0.1kW | |
| 2R1F | | Single | 5[A] | 2.1[A] | 0.2kW | |
| 2R8F | | Single | 10[A] | 2.8[A] | 0.4kW | |
| R70A | AC200V | Three | 0.4[A] | 0.66[A] | 0.05kW | |
| | | Single | 0.8[A] | | | |
| R90A | | Three | 0.8[A] | 0.91[A] | 0.1kW | |
| | | Single | 1.6[A] | | | |
| 1R6A | | Three | 1.3[A] | 1.6[A] | 0.2kW | |
| | | Single | 2.4[A] | | | |
| 2R8A | | Three | 2.5[A] | 2.8[A] | 0.4kW | |
| | | Single | 5.0[A] | | | |
| 3R8A | | Three | 3.0[A] | 3.8[A] | 0.5kW | |
| | | Single | 8.7[A] | | | |
| 5R5A | | Three | 4.1[A] | 5.5[A] | 0.75kW | |
| | | Single | 8.7[A] | | | |
| 7R6A | | Three | 5.7[A] | 7.6[A] | 1.0kW | |
| | | Single | 16[A] | | | |
| 120A | | Three | 7.3[A] | 11.6[A] | 1.5kW | |
| | | Single | 16[A] | | | |
| 180A | | Three | 10[A] | 18.5[A] | 2.0kW | |
| | | Single | 15[A] | | | |
| 200A | | Three | 15[A] | 19.6[A] | 3.0kW | |
| | | Single | 25[A] | | | |
| 330A | | Three | 25[A] | 32.9[A] | 5kW | |
| | | Single | 29[A] | | | |
| 470A | | Three | 29[A] | 46.9[A] | 6kW | |
| | | Single | 37[A] | | | |
| 550A | | Three | 37[A] | 54.7[A] | 7.5kW | |
| | | Single | 54[A] | | | |
| 590A | | Three | 54[A] | 58.6[A] | 11kW | |
| | | Single | 73[A] | | | |
| 780A | Three | 73[A] | 78.0[A] | 15kW | | |
| | Single | 1.4[A] | | | | |
| 1R9D | AC400V | Three | 1.4[A] | 1.9[A] | 0.5kW | |
| 3R5D | | Three | 2.9[A] | 3.5[A] | 1.0kW | |
| 5R4D | | Three | 4.3[A] | 5.4[A] | 1.5kW | |
| 8R4D | | Three | 5.8[A] | 8.4[A] | 2.0kW | |
| 120D | | Three | 8.6[A] | 11.9[A] | 3.0kW | |
| 170D | | Three | 14.5[A] | 16.0[A] | 5.0kW | |
| 210D | | Three | 17.4[A] | 20.8[A] | 6.0kW | |
| 260D | | Three | 21.7[A] | 25.7[A] | 7.5kW | |
| 280D | | Three | 31.8[A] | 28.1[A] | 11kW | |
| 370D | | Three | 43.4[A] | 37.2[A] | 15kW | |

B+C: Continuous Output Current Type for SGD7W and SGD7C

| Group | Rated input power | | | Rated output power at 1-axis | | Note |
|-------|-------------------|-----------------|---------------|------------------------------|--------------|------|
| | Input voltage | Number of phase | Input current | Output current | Output power | |
| 1R6A | AC200V | Three | 2.5[A] | 1.6[A] | 0.2kW | |
| | | Single | 5.5[A] | | | |
| 2R8A | | Three | 4.7[A] | 2.8[A] | 0.4kW | |
| | | Single | 11[A] | | | |
| 5R5A | | Three | 7.8[A] | 5.5[A] | 0.75kW | |
| | | Single | 12[A] | | | |
| 7R6A | | Three | 11[A] | 7.6[A] | 1.0kW | |
| 2R6D | | AC400V | Three | 2.6[A] | 2.6[A] | |
| 5R4D | Three | | 8.6[A] | 5.4[A] | 1.5kW | |

C: Rated Input/Output Voltage Type

| Group | Rated input power | | Note |
|-------|-------------------|----------------|------|
| | Input voltage | Output Voltage | |
| A | 200V3AC, AC | 200V3AC | |
| D | 400V3AC | 400V3AC | |
| F | 100VAC | 200V3AC | |

D: Model

| Group | Interface Type | Note |
|-------|----------------------------|---|
| 00 | Analog & Pulse I/F | Sigma-7S model only. |
| 10 | MECHATROLINK-II I/F | Sigma-7S model only. |
| 20 | MECHATROLINK-III I/F | |
| 30 | MECHATROLINK-III(RJ45) I/F | |
| 40 | MECHATROLINK-4 I/F | Sigma-7S model 200V input only. |
| A0 | EtherCAT I/F | Sigma-7S model and Sigma-7W model 400V input only. |
| C0 | Profinet I/F | Sigma-7S model and Sigma-7W model 400V input only. |
| E0 | Command Option I/F | Sigma-7S model only. |
| MA | BUS I/F (Standard) | Sigma-7C model only. |
| M0 | Sigma-7Siec I/F | SGD7S-xxxxA0x based with PLC function |
| Q0 | SigmaLogic7 Compact I/F | SGD7S-xxxxA0x based with Ethernet/IP protocol |
| R0 | SigmaLogic7 Modbus I/F | SGD7S-xxxxA0x based with Modbus protocol (General protocol) |

E: Design Revision Order

| Group | Design Order | Note |
|-------|------------------------------------|----------------------------------|
| A | Standard | |
| B | Standard | AC400V input only. |
| | Air flow change | AC200V input only. |
| C | Air flow change and Re-engineering | AC200V input, EtherCAT I/F only. |

F: Hardware Option Type

| Group | Interface Type | Note |
|-------|---|----------------------------------|
| Blank | Standard | Standard specification only. |
| 000 | Standard | In case of Software Option only. |
| 001 | Rack mount type | |
| 002 | Varnish coating | |
| 004 | Measures for vibration | |
| 008 | 200Vac (Single phase) input type | SGD7S-120A**A only |
| 00A | Group# 002 and 008 | |
| 010 | Open collector output of Encoder pulse | |
| 020 | External DB resistor type or Without DB | |
| 021 | DI power supply DC12V | |
| 022 | Zone output | |
| 023 | Analog Voltage FB input type | |
| 024 | Group# 002 and 020 | |
| 025 | Group# 001 and 023 | |
| 026 | Add the Holding Break(SBC) function | Voltage type D only. |
| 027 | Group# 020 and 021 | |
| 029 | Group# 002 and 022 | |
| 030 | Group# 008 and 022 | SGD7S-120A**A only. |
| 031 | Group# 002 and 023 | |
| 032 | Group# 001 and 002 and 023 | |
| 033 | Group# 002 and 008 and 023 | SGD7S-120A**A only. |
| 034 | Group# 008 and 020 | SGD7S-120A**A only. |
| 035 | Group# 020 and 022 | |
| 036 | Group# 026 and 002 | Voltage type D only. |
| 037 | Group# 008 and 020 and 022 | SGD7S-120A**A only. |
| 100 | Pulse encoder interface and analog input for Thermistor on CN9. CN8(Safety Connector) eliminated. | SGD7S-***A30A only. |
| 101 | Group# 100 and 001 | SGD7S-***A30A only. |
| 102 | Group# 100 and 002 | SGD7S-***A30A only. |
| 104 | Group# 100 and 004 | SGD7S-***A30A only. |
| 108 | Group# 100 and 008 | SGD7S-120A30A only. |
| 110 | Group# 100 and 010 | SGD7S-***A30A only. |
| 120 | Group# 100 and 020 | SGD7S-***A30A only. |
| 121 | Group# 100 and 021 | SGD7S-***A30A only. |
| 122 | Group# 100 and 022 | SGD7S-***A30A only. |
| 124 | Group# 100 and 024 | SGD7S-***A30A only. |
| 202 | Reinforced Varnish Coating | |
| 206 | Group# 004 and 202 | |
| 20A | Group# 008 and 202 | SGD7S-120A**A only. |
| 224 | Group# 020 and 202 | |
| 229 | Group# 022 and 202 | |
| 231 | Group# 023 and 202 | |
| 232 | Group# 001 and 023 and 202 | |
| 233 | Group# 008 and 023 and 202 | SGD7S-120A**A only. |
| 302 | Group# 100 and 202 | SGD7S-***A30A only. |
| 306 | Group# 104 and 202 | SGD7S-***A30A only. |
| 30A | Group# 108 and 202 | SGD7S-***A30A only. |
| 324 | Group# 120 and 202 | SGD7S-***A30A only. |

| | | |
|-----|---|-----------------------------------|
| 700 | Add the HWBB(STO) function | Sigma-7W and Sigma-7C model only. |
| 701 | Group# 001 and 700 | |
| 702 | Group# 002 and 700 | |
| 704 | Group# 004 and 700 | |
| 70A | Group# 00A and 700 | |
| 710 | Group# 010 and 700 | |
| 720 | Group# 020 and 700 | |
| 721 | Group# 021 and 700 | |
| 722 | Group# 022 and 700 | |
| 723 | Group# 023 and 700 | |
| 724 | Group# 024 and 700 | |
| 725 | Group# 025 and 700 | |
| 727 | Group# 027 and 700 | |
| 731 | Group# 031 and 700 | |
| 732 | Group# 032 and 700 | |
| 800 | ASM7 I/F CN11 (Safety Option Module Interface) was changed for ASM7. | Voltage type D only. |
| 802 | Group# 800 and 002 | Voltage type D only. |
| 826 | Group# 800 and 026 | Voltage type D only. |
| 836 | Group# 800 and 036 | Voltage type D only. |

G: Option Specification of Hardware

| Group | Design Order | Note |
|-------|-----------------------------------|------------------------------------|
| Blank | Standard or Hardware Option Spec. | |
| 0 | BTO order | Standard and Hardware Option Spec. |
| E | EX specification | |
| F | FT specification | |

G+H: Software Option Type

| Group | Difference from Standard | | Note |
|---|--------------------------|----------|---|
| | Hardware | Software | |
| Blank | Same | Same | Standard or Hardware Option Spec only. |
| 000 | Same or Diff. | Same | BTO order for Standard and Hardware Option Spec |
| E** | Same or Diff. | Diff | Except E9* and F9*. (see Note.1) Customized for non-safety related Software. Hardware is defined by "Hardware Option Type". |
| F** | Same or Diff. | Diff | |
| Note.1: E9* and F9* are customized the safety related Software. | | | |

I: Order Type

| Group | Order | Note |
|-------|----------------|------|
| Blank | Standard order | |
| B | BTO order | |

Model designation covered by this declaration of conformity (Y-Specification)

SGD7* *** * ** * * ***** (18 characters)
 A B C D E F G

A: Model

| Group | Model | Note |
|-------|---|-------------------|
| SGD7S | Sigma-7 series SERVOPACK Sigma-7S model | Control of 1 axis |
| SGD7W | Sigma-7 series SERVOPACK Sigma-7W model | Control of 2 axes |
| SGD7C | Sigma-7 series SERVOPACK Sigma-7C model | Control of 2 axes |

B+C: Continuous Output Current Type for SGD7S

| Group | Rated input power | | | Rated output power | | Note |
|-------|-------------------|-----------------|---------------|--------------------|--------------|------|
| | Input voltage | Number of phase | Input current | Output current | Output power | |
| R70F | AC100V | Single | 1.5[A] | 0.66[A] | 0.05kW | |
| R90F | | Single | 2.5[A] | 0.91[A] | 0.1kW | |
| 2R1F | | Single | 5[A] | 2.1[A] | 0.2kW | |
| 2R8F | | Single | 10[A] | 2.8[A] | 0.4kW | |
| R70A | AC200V | Three | 0.4[A] | 0.66[A] | 0.05kW | |
| | | Single | 0.8[A] | | | |
| R90A | | Three | 0.8[A] | 0.91[A] | 0.1kW | |
| | | Single | 1.6[A] | | | |
| 1R6A | | Three | 1.3[A] | 1.6[A] | 0.2kW | |
| | | Single | 2.4[A] | | | |
| 2R8A | | Three | 2.5[A] | 2.8[A] | 0.4kW | |
| | | Single | 5.0[A] | | | |
| 3R8A | | Three | 3.0[A] | 3.8[A] | 0.5kW | |
| | | Single | 8.7[A] | | | |
| 5R5A | | Three | 4.1[A] | 5.5[A] | 0.75kW | |
| | | Single | 8.7[A] | | | |
| 7R6A | | Three | 5.7[A] | 7.6[A] | 1.0kW | |
| | | Single | 16[A] | | | |
| 120A | | Three | 7.3[A] | 11.6[A] | 1.5kW | |
| | | Single | 16[A] | | | |
| 180A | | Three | 10[A] | 18.5[A] | 2.0kW | |
| | | Single | 15[A] | | | |
| 200A | | Three | 15[A] | 19.6[A] | 3.0kW | |
| | | Single | 25[A] | | | |
| 330A | | Three | 25[A] | 32.9[A] | 5kW | |
| | | Single | 29[A] | | | |
| 470A | | Three | 29[A] | 46.9[A] | 6kW | |
| | | Single | 37[A] | | | |
| 550A | | Three | 37[A] | 54.7[A] | 7.5kW | |
| | | Single | 54[A] | | | |
| 590A | | Three | 54[A] | 58.6[A] | 11kW | |
| | | Single | 73[A] | | | |
| 780A | Three | 73[A] | 78.0[A] | 15kW | | |
| | Single | 1.4[A] | | | | |
| 1R9D | AC400V | Three | 1.4[A] | 1.9[A] | 0.5kW | |
| 3R5D | | Three | 2.9[A] | 3.5[A] | 1.0kW | |
| 5R4D | | Three | 4.3[A] | 5.4[A] | 1.5kW | |
| 8R4D | | Three | 5.8[A] | 8.4[A] | 2.0kW | |
| 120D | | Three | 8.6[A] | 11.9[A] | 3.0kW | |
| 170D | | Three | 14.5[A] | 16.0[A] | 5.0kW | |
| 210D | | Three | 17.4[A] | 20.8[A] | 6.0kW | |
| 260D | | Three | 21.7[A] | 25.7[A] | 7.5kW | |
| 280D | | Three | 31.8[A] | 28.1[A] | 11kW | |
| 370D | | Three | 43.4[A] | 37.2[A] | 15kW | |

B+C: Continuous Output Current Type for SGD7W and SGD7C

| Group | Rated input power | | | Rated output power at 1-axis | | Note |
|-------|-------------------|-----------------|---------------|------------------------------|--------------|------|
| | Input voltage | Number of phase | Input current | Output current | Output power | |
| 1R6A | AC200V | Three | 2.5[A] | 1.6[A] | 0.2kW | |
| | | Single | 5.5[A] | | | |
| 2R8A | | Three | 4.7[A] | 2.8[A] | 0.4kW | |
| | | Single | 11[A] | | | |
| 5R5A | | Three | 7.8[A] | 5.5[A] | 0.75kW | |
| | | Single | 12[A] | | | |
| 7R6A | | Three | 11[A] | 7.6[A] | 1.0kW | |
| 2R6D | | AC400V | Three | 2.6[A] | 2.6[A] | |
| 5R4D | Three | | 8.6[A] | 5.4[A] | 1.5kW | |

C: Rated Input/Output Voltage Type

| Group | Rated input power | | Note |
|-------|-------------------|----------------|------|
| | Input voltage | Output Voltage | |
| A | 200V3AC, AC | 200V3AC | |
| D | 400V3AC | 400V3AC | |
| F | 100VAC | 200V3AC | |

D: Model

| Group | Interface Type | Note |
|-------|----------------------------|---|
| 00 | Analog & Pulse I/F | Sigma-7S model only. |
| 10 | MECHATROLINK-II I/F | Sigma-7S model only. |
| 20 | MECHATROLINK-III I/F | |
| 30 | MECHATROLINK-III(RJ45) I/F | |
| 40 | MECHATROLINK-4 I/F | Sigma-7S model 200V input only. |
| A0 | EtherCAT I/F | Sigma-7S model and Sigma-7W model 400V input only. |
| C0 | Profinet I/F | Sigma-7S model and Sigma-7W model 400V input only. |
| E0 | Command Option I/F | Sigma-7S model only. |
| MA | BUS I/F (Standard) | Sigma-7C model only. |
| M0 | Sigma-7Siec I/F | SGD7S-xxxxA0x based with PLC function |
| Q0 | SigmaLogic7 Compact I/F | SGD7S-xxxxA0x based with Ethernet/IP protocol |
| R0 | SigmaLogic7 Modbus I/F | SGD7S-xxxxA0x based with Modbus protocol (General protocol) |

E: Design Revision Order

| Group | Design Order | Note |
|-------|------------------------------------|----------------------------------|
| A | Standard | |
| B | Standard | AC400V input only. |
| | Air flow change | AC200V input only. |
| C | Air flow change and Re-engineering | AC200V input, EtherCAT I/F only. |

F: Specification Type

| Group | Specification Type | Note |
|-------|--------------------|------|
| Y | Y Specification | |

F+G: Y Specification Type

| Group | Difference from Standard | | Note |
|--------|--------------------------|----------|--|
| | Hardware | Software | |
| Y0400* | Diff | Diff | Customized for the case. |
| Y*5*** | Same | Diff | Customized for non-safety related parameters and software. The combination of this model and Safety module is not possible. |
| Y*6*** | Same | Diff | Customized for non-safety related parameters and software. The combination of this model and Safety module is not possible. |
| Y*7*** | Same | Diff | Customized for non-safety related parameters and software. The combination of this model and Safety module is possible. |
| Y*8*** | Same | Diff | Customized for non-safety related parameters and software. The combination of this model and Safety module is not possible. |
| Y*9*** | Same | Diff | Customized for non-safety related parameters and software. The combination of this model and Safety module is not possible. |