

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: SGDV-*****

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

Serial Number: FFYYM*****
(FF = D0, DG, 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 ISO 13849-1: 2015 (PL d (Cat.3))
EN 61800-5-1: 2007/A1: 2017
EN 61800-5-2: 2007 (SIL 2)
EN IEC 63000: 2018

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

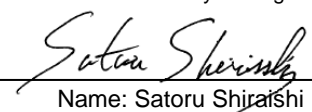
YASKAWA Europe GmbH

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 Shiraishi

EU Declaration of Conformity

YASKAWA

Ref. No. 900-246-170 <6>

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 alphanumeric Zeichen/8 chiffres de caractère alphanumérique/8 cifre di carattere alfanumerico
/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 sustancias peligrosas en aparatos eléctricos y electrónicos.

Relativa à restrição do uso de determinadas substâncias perigosas em equipamentos eléctricos e electrónicos.

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

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

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

EN IEC 63000: 2018

Angewandte harmonisierte Norm: / Normes harmonisées appliquées:

Norma armonizzata applicate: / Norma armonizada aplicada: /

Normas harmonizadas aplicadas

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 Shiraishi

EU Declaration of Conformity

YASKAWA

Ref. No. 900-246-170 <6>

Page 3

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 / Direktiva 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 elettriku 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

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

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

EN IEC 63000: 2018

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Osoba koja se nalazi u EU koja je ovlaštena sastavljati tehničku dokumentaciju

Oseba s sedežem v EU, ki je pooblašćena za sestavljanje tehnične dokumentacije

Persuna li tinsab fl-UE li hija awtorizzata biex tiġbor fajl tekniku

Persuna li tinsab fl-UE li hija awtorizzata biex tiġbor fajl tekniku

YASKAWA Europe GmbH

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Miejscowość, data / Vieta, data / Místo, datum

Miesto, dátum / Hely, dátum

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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 elektrische 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 în echipamentele electrice și electronice.

Applied harmonized standards:

Toegepaste geharmoniseerde normen

Caighdeáin 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
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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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Place / Date

Miejscowość, data / Vieta, data / Místo, datum

Miesto, dátum / Hely, dátum

Factory Manager



Name: Satoru Shiraishi

EU Declaration of Conformity

YASKAWA

Ref. No. 900-246-170 <6>

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 atitikti
Prohlašuje na svou výhradní odpovědnost shodu níže uvedených výrobků
potvrďuje výlučnú zodpovednosť za zhodu pre nasledujúce výrobky
saját kizárólagos felelősségére kijelenti, hogy a következő termékek megfelelnek az alábbiakban megfogalmazott követelményeknek

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***** =

8 cyfr znaku alfanumerycznego / 8 raidžių ir skaitmeninių simbolių skaitmenys / 8 číslic alfanumerického znaku
8 číslic alfanumerického znaku / 8 számjegyű alfanumerikus karakter**The object of the declaration: Directive of the European Parliament and Council**

Dyrektywa Parlamentu Europejskiego i Rady / Europsos Parlamento ir Tarybos direktyva

Smernice 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 / Smernice o elektromagnetické kompatibilitě

Smernica EMC / Elektromágneses összeférhetőségről szóló irányelv

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

Dyrektywa dot. niskich napięć / Žemos įtampos direktyva

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

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

Dyrektywa Maszynowa / Mašinu direktyva / Smernice 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 apribojimo.

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:

Zastosowano normy zharmonizowane

Taikomi darnieji standartai

Použité související normy

Použité harmonizované normy

Alkalmazott harmonizált szabványok

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

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

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

EN IEC 63000: 2018

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

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

ES esantis asmuo, įgaliotas sudaryti techninę bylą

Osoba se sídlom v EU, ktorá je oprávnená sestaviť technickú dokumentáciu

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

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

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Miesto, dátum / Hely, dátum

Factory Manager


Name: Satoru Shiraishi

EU Declaration of Conformity

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 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 / Elektromagnetilise ühilduvuse 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 begrænsning av användning av vissa farliga ämnen i elektrisk och elektronisk utrustning.
Tiettyjen vaarallisten aineiden käytön rajoittamisesta sähkö- ja elektroniikkalaitteissa.
Part dažū bīstamu vielu izmantošanas ierobežošana elektriskās un elektroniskās iekārtās
Dél tam tikru pavojingu medžiagu naudojimo elektros ir elektroninėje įrangoje 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
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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
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Factory Manager


Name: Satoru Shiraiishi

UK Declaration of Conformity

Original – English

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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)
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EN 61000-6-2: 2005
EN 61000-6-4: 2007/A1: 2011
EN ISO 13849-1: 2015 (PL d (Cat.3))
EN 61800-5-1: 2007/A1: 2017
EN 61800-5-2: 2007 (SIL 2)
EN IEC 63000: 2018

**Person located in the UK that is authorized to compile
technical file**


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Saitama – JAPAN / 20th July 2022
Place / Date

Factory Manager


Name: Satoru Shiraiishi

Original Page 8
Model designation covered by this declaration of conformity (Standard Models)

SGDV- *** * ** * *** ** * (18 characters)
A B C D E F G H

A: **SGDV** : Sigma-V Series

B: Output Current

Group	Continuous Output current	Input voltage	Output voltage		
R70	0.66[A]	200V3ac,ac	200V3ac		
R90	0.91[A]				
1R6	1.6[A]				
2R8	2.8[A]				
3R8	3.8[A]				
5R5	5.5[A]				
7R6	7.6[A]	200V3ac			
120	11.6[A]	200V3ac,ac			
180	18.5[A]	200V3ac			
200	19.6[A]				
330	32.9[A]				
470	46.9[A]				
550	54.7[A]				
590	58.6[A]				
780	78.0[A]				
1R9	1.9[A]			400V3ac	400V3ac
3R5	3.5[A]				
5R4	5.4[A]				
8R4	8.4[A]				
120	11.9[A]				
170	16.5[A]				
210	20.8[A]				
260	25.7[A]				
280	28.1[A]				
370	37.2[A]				
450	45.0[A]				

Group	Continuous Output current	Input voltage	Output voltage
R70	0.66[A]	100Vac	200V3ac
R90	0.91[A]		
2R1	2.1[A]		
2R8	2.8[A]	100Vac	100V3ac
R70	0.7[A]		
1R0	0.98[A]		
121	116[A]	270Vdc	200V3ac
161	160[A]		
201	200[A]		
750	75[A]		
101	98[A]	540Vdc	400V3ac
131	126[A]		

C: Rated Input Voltage / Output Voltage

Group	Input voltage	Output voltage
A	200V3ac,ac	200V3ac
B	100Vac	100V3ac
D	400V3ac	400V3ac
F	100Vac	200V3ac
H	270Vdc	200V3ac
J	540Vdc	400V3ac

D: Interface Type

Group	Interface type	Difference
01	Analogue/Pulse I/F,for Rotary motor	Controll board is Analogue/Pulse I/F. Software is for Analogue/Pulse I/F, Rotary motor.
05	Analogue/Pulse I/F,for Linear motor	Hardware is exactly same as 01 type. Software is changed from 01 type for Linear motor.
11	MECHATROLINK-II I/F,for Rotary motor	Controll 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.
E1	Command Option I/F,for Rotary motor	Controll board is Command Option I/F. Software is for Command Option I/F, Rotary motor.
E5	Command Option I/F,for Linear motor	Hardware is exactly same as E1 type. Software is changed from E1 type for Linear motor.
21	MECHATROLINK-III I/F,for Rotary motor	Controll 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.
F1	Multi Windings Drive type,for Rotary motor	Hardware is exactly same as 11 type. Software for Multi Windings Drive type Rotary motor.
31	MECHATROLINK-III(RJ-45) I/F, for Rotary motor	Controll board is MECHATROLINK-III(RJ-45) I/F. Software is for MECHATROLINK-III(RJ-45) I/F, Rotary motor.
35	MECHATROLINK-III(RJ-45) I/F, for Linear motor	Hardware is exactly same as 31 type. Software is changed from 31 type for Linear motor.

Original

E: Design Order
A : Standard
B : Fan-less

F: Option of Hardware

Group	Option Specification of Hardware			Difference from Standard Model
	Structure (Hardware)	Board coating (varnish)	Measures for vibration	
blank	Standard	Not handle	Not handle	-
000	Standard	Not handle	Not handle	Software and/or Parameters are changed.
001	Rack mount type (capacity of 5 kW and below) Ventilation type (capacity between 6kW and 55kW)	Not handle	Not handle	Model added metal fittings to rack-mounted attachment. Model modified in construction to be mounted on duct.
002	Standard	Handle	Not handle	What prevents the short circuit by a foreign substance etc.by coating of a printed circuit board.
003	=001+002	Handle	Not handle	Specification which combined "001" and "002"
004	Standard	Not handle	Handle	What fixed weak parts to vibration by resin material.
005	=001+004	Handle	Handle	Specification which combined"001"and"004"
006	=002+004	Handle	Handle	Specification which combined"002"and"004"
007	=001+002+004	Handle	Handle	Specification which combined"001"and"002"and"004"
008	AC 200V single phase input type	Not handle	Not handle	What made a setting change so that the model for three phase input could be used in a single phase input. (ex. The 2kW hardware of three phase input is being used for 1.5 kW of single phase input.)
009	=001+008	Not handle	Not handle	Specification which combined"001"and"008"
00A	=002+008	Handle	Not handle	Specification which combined"002"and"008"
00B	=001+002+008	Handle	Not handle	Specification which combined"001"and"002"and"008"
00C	=004+008	Not handle	Handle	Specification which combined"004"and"008".
00D	=001+004+008	Not handle	Handle	Specification which combined"001"and"004"and"008".
00E	=002+004+008	Handle	Handle	Specification which combined"002"and"004"and"008".
00F	=001+002+004+008	Handle	Handle	Specification which combined"001"and"002"and"004"and"008".
010	Option corrector pulse output signal type	Not handle	Not handle	Specification into which the output of the feedback pules was changed by the open collector output.
011	=001+010	Not handle	Not handle	Specification which combined"001"and"010"
012	=002+010	Not handle	Not handle	Specification which combined"002"and"010"
013	=001+002+010	Not handle	Not handle	Specification which combined"001"and"002"and"010"
014	=004+010	Not handle	Handle	Specification which combined "004"and"010"
015	=001+004+010	Not handle	Handle	Specification which combined "001"and"004"and"010"
016	=002+004+010	Not handle	Handle	Specification which combined "002"and"004"and"010"
017	=001+002+004+010	Not handle	Handle	Specification which combined "001"and"002"and"004"and"010"
018	=008+010	Not handle	Not handle	Specification which combined"008"and"010"
019	=001+008+010	Not handle	Not handle	Specification which combined"001"and"008"and"010"
01A	=002+008+010	Handle	Not handle	Specification which combined"002"and"008"and"010"
01B	=001+002+008+010	Handle	Not handle	Specification which combined "001"and"002"and"008"and"010"
01C	=004+008+010	Not handle	Handle	Specification which combined "004"and"008"and"010"
01D	=001+004+008+010	Not handle	Handle	Specification which combined "001"and"004"and"008"and"010".
01E	=002+004+008+010	Not handle	Handle	Specification which combined"002"and"004"and"008"and"010".
01F	=001+002+004+008+010	Handle	Handle	Specification which combined"001"and"002"and"004"and"008"and"010".
020	External DB resistor type or Without DB type	Not handle	Not handle	Specification to which the terminal for DB resistance outside was added.
021	=001+020	Not handle	Not handle	Specification which combined"001"and"020".
022	=002+020	Handle	Not handle	Specification which combined"002"and"020".
023	=001+002+020	Handle	Not handle	Specification which combined "001"and"002"and"020".
024	=004+020	Not handle	Handle	Specification which combined"004"and"020".
025	=001+004+020	Not handle	Handle	Specification which combined "001"and"004"and"020".
026	=002+004+020	Handle	Handle	Specification which combined "002"and"004"and"020".
027	=001+002+004+020	Handle	Handle	Specification which combined "001"and"002"and"004"and"020".
028	=008+020	Not handle	Not handle	Specification which combined"008"and"020".
029	=001+008+020	Not handle	Not handle	Specification which combined "001"and"008"and"020".
02A	=002+008+020	Handle	Not handle	Specification which combined "002"and"008"and"020".
02B	=001+002+008+020	Handle	Not handle	Specification which combined "001"and"002"and"008"and"020".
02C	=004+008+020	Not handle	Handle	Specification which combined "004"and"008"and"020".
02D	=001+004+008+020	Not handle	Handle	Specification which combined "001"and"004"and"008"and"020".
02E	=002+004+008+020	Handle	Handle	Specification which combined "002"and"004"and"008"and"020".
02F	=001+002+004+008+020	Handle	Handle	Specification which combined

				"001"and"002" and"004"and"008"and"020".
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Group	Option Specification of Hardware			Difference Standard Model
	Structure (Hardware)	Board coating(vernish)	Measures For Vibration	
030	=010+020	Not handle	Not handle	Specification which combined"010"and"020"
031	=001+010+020	Not handle	Not handle	Specification which combined "001"and"010" and"020"
032	=002+010+020	Handle	Not handle	Specification which combined "002"and"010" and"020"
033	=001+002+010+020	Handle	Not handle	Specification which combined "001"and"002" and"010" and"020"
034	=004+010+020	Not handle	Handle	Specification which combined "004"and"010" and"020"
035	=001+004+010+020	Not handle	Handle	Specification which combined "001" and"004"and"010"and"020"
036	=002+004+010+020	Handle	Handle	Specification which combined "002"and"004" and"010" and"020"
037	=001+002+040+010+020	Handle	Handle	Specification which combined "001" and"002"and"004" and"010" and"020"
038	=008+010+020	Not handle	Not handle	Specification which combined "008" and"010"and"020"
039	=001+008+010+020	Not handle	Not handle	Specification which combined "001" and"008" and"010"and"020"
03A	=002+008+010+020	Handle	Not handle	Specification which combined "002"and"008"and"010"and"020"
03B	=001+002+008+010+020	Handle	Not handle	Specification which combined "001"and"002" and"008" and"010" and"020"
03C	=004+008+010+020	Not handle	Handle	Specification which combined "004"and"008" and"010" and"020"
03D	=001+004+008+010+020	Not handle	Handle	Specification which combined "001"and"004"and"008"and"010" and"020"
03E	=002+004+008+010+020	Handle	Handle	Specification which combined "002"and"004" and"008" and"010" and"020"
03F	=001+002+004+008+010+020	Handle	Handle	Specification which combined"001"and"002" and"004" and"008" and"010" and"020"

G: Option of Software

Group	Interface type	Difference
blank	Standard	-
00	Standard	Hardware and /or parameters are changed.
01	Internal setting speed a change of 15 steps.	Specification into which the number of the speed tables of the internal parameter which can be set as a servopackWas changed from three steps in 15 steps.
02	The function addition of absolute value encider 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 panel.
03	Speed limit detection functional addtion.	Speed limit detection functional addition.
04	Instruction input disconnection functional addition	Specification which added the function which detects disconnections and is used as alarm when wiring of the instuction 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 of Parameter Setting

Group	Option Specification of Parameter Setting	Difference from Standard Model
blank	Standard	-
0	Standard	-

Original
Model designation covered by this declaration of conformity (EX/FT series)

SGDV- *** * ** * *** ** *** (20 characters)
A B C D E F G H

A: **SGDV** : Sigma-V Series

B: Output Current

Group	Continuous Output current	Input voltage	Output voltage		
R70	0.66[A]	200V3ac,ac	200V3ac		
R90	0.91[A]				
1R6	1.6[A]				
2R8	2.8[A]				
3R8	3.8[A]				
5R5	5.5[A]				
7R6	7.6[A]	200V3ac			
120	11.6[A]	200V3ac,ac			
180	18.5[A]	200V3ac			
200	19.6[A]				
330	32.9[A]				
470	46.9[A]				
550	54.7[A]				
590	58.6[A]				
780	78.0[A]				
1R9	1.9[A]			400V3ac	400V3ac
3R5	3.5[A]				
5R4	5.4[A]				
8R4	8.4[A]				
120	11.9[A]				
170	16.5[A]				
210	20.8[A]				
260	25.7[A]				
280	28.1[A]				
370	37.2[A]				
450	45.0[A]				

Group	Continuous Output current	Input voltage	Output voltage
R70	0.66[A]	100Vac	200V3ac
R90	0.91[A]		
2R1	2.1[A]		
2R8	2.8[A]	100Vac	100V3ac
R70	0.7[A]		
1R0	0.98[A]		
121	116[A]	270Vdc	200V3ac
161	160[A]		
201	200[A]		
750	75[A]		
101	98[A]	540Vdc	400V3ac
131	126[A]		

C: Rated Input Voltage / Output Voltage

Group	Input voltage	Output voltage
A	200V3ac,ac	200V3ac
B	100Vac	100V3ac
D	400V3ac	400V3ac
F	100Vac	200V3ac
H	270Vdc	200V3ac
J	540Vdc	400V3ac

D: Interface Type

Group	Interface type	Difference
01	Analogue/Pulse I/F,for Rotary motor	Controll board is Analogue/Pulse I/F. Software is for Analogue/Pulse I/F, Rotary motor.
05	Analogue/Pulse I/F,for Linear motor	Hardware is exactly same as 01 type. Software is changed from 01 type for Linear motor.
11	MECHATROLINK-II I/F,for Rotary motor	Controll 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.
E1	Command Option I/F,for Rotary motor	Controll board is Command Option I/F. Software is for Command Option I/F, Rotary motor.
E5	Command Option I/F,for Linear motor	Hardware is exactly same as E1 type. Software is changed from E1 type for Linear motor.
21	MECHATROLINK-III I/F,for Rotary motor	Controll 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.
F1	Multi Windings Drive type,for Rotary motor	Hardware is exactly same as 11 type. Software for Multi Windings Drive type Rotary motor.
31	MECHATROLINK-III(RJ-45) I/F, for Rotary motor	Controll board is MECHATROLINK-III(RJ-45) I/F. Software is for MECHATROLINK-III(RJ-45) I/F, Rotary motor.
35	MECHATROLINK-III(RJ-45) I/F, for Linear motor	Hardware is exactly same as 31 type. Software is changed from 31 type for Linear motor.

E: Design Order
A : Standard
B : Fan-less

F: Option of Hardware

Group	Option Specification of Hardware			Difference from Standard Model
	Structure (Hardware)	Board coating (varnish)	Measures for vibration	
blank	Standard	Not handle	Not handle	-
000	Standard	Not handle	Not handle	Software and/or Parameters are changed.
001	Rack mount type (capacity of 5KW and below) Ventilation type (capacity between 6kW and 55kW)	Not handle	Not handle	Model added metal fittings to rack-mounted attachment. Model modified in construction to be mounted on duct.
002	Standard	Handle	Not handle	What prevents the short circuit by a foreign substance etc.by coating of a printed circuit board.
003	=001+002	Handle	Not handle	Specification which combined"001"and"002"
004	Standard	Not handle	Handle	What fixed weak parts to vibration by resin material.
005	=001+004	Not handle	Handle	Specification which combined"001"and"004"
006	=002+004	Handle	Handle	Specification which combined"002"and"004"
007	=001+002+004	Handle	Handle	Specification which combined"001"and"002"and"004"
008	AC 200V single phase input type	Not handle	Not handle	What made a setting change so that the model for three phase input could be used in a single phase input. (ex. The 2kW hardware of three phase input is being used for 1.5kW of a single phase input.)
009	=001+008	Not handle	Not handle	Specification which combined"001"and"008"
00A	=002+008	Handle	Not handle	Specification which combined"002"and"008"
00B	=001+002+008	Handle	Not handle	Specification which combined"001"and"002"and"008"
00C	=004+008	Not handle	Handle	Specification which combined"004"and"008".
00D	=001+004+008	Not handle	Handle	Specification which combined"001"and"004"and"008".
00E	=002+004+008	Handle	Handle	Specification which combined"002"and"004"and"008".
00F	=001+002+004+008	Handle	Handle	Specification which combined"001"and"002"and"004"and"008".
010	Option corrector pulse output signal type	Not handle	Not handle	Specification into which the output of the feedback pules was changed by the open collector output.
011	=001+010	Not handle	Not handle	Specification which combined"001"and"010"
012	=002+010	Not handle	Not handle	Specification which combined"002"and"010"
013	=001+002+010	Not handle	Not handle	Specification which combined"001"and"002"and"010"
014	=004+010	Not handle	Handle	Specification which combined "004"and"010"
015	=001+004+010	Not handle	Handle	Specification which combined "001"and"004"and"010"
016	=002+004+010	Not handle	Handle	Specification which combined "002"and"004"and"010"
017	=001+002+004+010	Not handle	Handle	Specification which combined "001"and" 002"and "004" and "010"
018	=008+010	Not handle	Not handle	Specification which combined"008"and"010"
019	=001+008+010	Not handle	Not handle	Specification which combined"001"and"008"and"010"
01A	=002+008+010	Handle	Not handle	Specification which combined"002"and"008"and"010"
01B	=001+002+008+010	Handle	Not handle	Specification which combined "001"and"002"and"008" and"010"
01C	=004+008+010	Not handle	Handle	Specification which combined "004"and"008" and"010"
01D	=001+004+008+010	Not handle	Handle	Specification which combined "001"and"004" and"008"and"010".
01E	=002+004+008+010	Not handle	Handle	Specification which combined"002"and"004"and"008" and"010".
01F	=001+002+004+008+010	Handle	Handle	Specification which combined"001"and"002"and"004"and"008" and"010".
020	External DB resistor type or Without DB type	Not handle	Not handle	Specification to which the terminal for DB resistance outside was added.
021	=001+020	Not handle	Not handle	Specification which combined"001"and"020".
022	=002+020	Handle	Not handle	Specification which combined"002"and"020".
023	=001+002+020	Handle	Not handle	Specification which combined "001"and"002"and"020".
024	=004+020	Not handle	Handle	Specification which combined"004"and"020".
025	=001+004+020	Not handle	Handle	Specification which combined "001"and"004"and"020".
026	=002+004+020	Handle	Handle	Specification which combined "002"and"004"and"020".
027	=001+002+004+020	Handle	Handle	Specification which combined "001"and"002"and"004"and"020".
028	=008+020	Not handle	Not handle	Specification which combined"008"and"020".
029	=001+008+020	Not handle	Not handle	Specification which combined "001"and"008"and"020".
02A	=002+008+020	Handle	Not handle	Specification which combined "002"and"008"and"020".
02B	=001+002+008+020	Handle	Not handle	Specification which combined "001"and"002"and"008"and"020".
02C	=004+008+020	Not handle	Handle	Specification which combined "004"and"008"and"020".
02D	=001+004+008+020	Not handle	Handle	Specification which combined "001"and"004"and"008"and"020".
02E	=002+004+008+020	Handle	Handle	Specification which combined "002"and"004"and"008"and"020".

Original

02F	=001+002+004+008+020	Handle	Handle	Specification which combined "001"and"002" and"004"and"008"and"020".
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Group	Option Specification of Hardware			Difference Standard Model
	Structure (Hardware)	Board coating(Varnish)	Measures For varnish	
030	=010+020	Not handle	Not handle	Specification which combined "010"and"020"
031	=001+010+020	Not handle	Not handle	Specification which combined "001"and"010" and"020"
032	=002+010+020	Handle	Not handle	Specification which combined "002"and"010" and"020"
033	=001+002+010+020	Handle	Not handle	Specification which combined "001"and"002" and"010" and"020"
034	=004+010+020	Not handle	Handle	Specification which combined "004"and"010" and"020"
035	=001+004+010+020	Not handle	Handle	Specification which combined "001"and"004"and"010"and"020"
036	=002+004+010+020	Handle	Handle	Specification which combined "002"and"004" and"010" and"020"
037	=001+002+040+010+020	Handle	Handle	Specification which combined "001" and"002"and"004" and"010" and"020"
038	=008+010+020	Not handle	Not handle	Specification which combined "008" and"010"and"020"
039	=001+008+010+020	Not handle	Not handle	Specification which combined "001" and"008" and"010"and"020"
03A	=002+008+010+020	Handle	Not handle	Specification which combined "002"and"008"and"010"and"020"
03B	=001+002+008+010+020	Handle	Not handle	Specification which combined "001"and"002" and"008" and"010" and"020"
03C	=004+008+010+020	Not handle	Handle	Specification which combined "004"and"008" and"010" and"020"
03D	=001+004+008+010+020	Not handle	Handle	Specification which combined "001"and"004"and"008"and"010" and"020"
03E	=002+004+008+010+020	Handle	Handle	Specification which combined "002"and"004" and"008" and"010" and"020"
03F	=001+002+004+008+010+020	Handle	Handle	Specification which combined"001"and"002" and"004" and"008" and"010" and"020"

G: Software Option series

- EX** : Sigma-V-EX series
- FT** : Sigma-V-FT series

H: Option of Software and Parameter Setting

Group	Option Specification of Software and parameter	Difference from Standard Model
0**	Software and parameters are changed. The combination of this model and Safety module is possible.	Hardware is exactly same as standard model.
1**		
2**		
3**		
4**		
5**		
6**		
7**		
8**	Software and parameters are changed. The combination of this model and Safety module is not possible.	Hardware is exactly same as standard model.
9**		

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

SGDV- *** * ** * Y***** (18 characters)
A B C D E F

A: **SGDV** : Sigma-V Series

B: Output Current

Group	Continuous Output current	Input voltage	Output voltage		
R70	0.66[A]	200V3ac,ac	200V3ac		
R90	0.91[A]				
1R6	1.6[A]				
2R8	2.8[A]				
3R8	3.8[A]				
5R5	5.5[A]				
7R6	7.6[A]	200V3ac			
120	11.6[A]	200V3ac,ac			
180	18.5[A]	200V3ac			
200	19.6[A]				
330	32.9[A]				
470	46.9[A]				
550	54.7[A]				
590	58.6[A]				
780	78.0[A]				
1R9	1.9[A]			400V3ac	400V3ac
3R5	3.5[A]				
5R4	5.4[A]				
8R4	8.4[A]				
120	11.9[A]				
170	16.5[A]				
210	20.8[A]				
260	25.7[A]				
280	28.1[A]				
370	37.2[A]				
450	45.0[A]				

Group	Continuous Output current	Input voltage	Output voltage
R70	0.66[A]	100Vac	200V3ac
R90	0.91[A]		
2R1	2.1[A]		
2R8	2.8[A]		
R70	0.7[A]	100Vac	100V3ac
1R0	0.98[A]	270Vdc	200V3ac
121	116[A]		
161	160[A]		
201	200[A]	540Vdc	400V3ac
750	75[A]		
101	98[A]		
131	126[A]		

C: Rated Input Voltage / Output Voltage

Group	Input voltage	Output voltage
A	200V3ac,ac	200V3ac
B	100Vac	100V3ac
D	400V3ac	400V3ac
F	100Vac	200V3ac
H	270Vdc	200V3ac
J	540Vdc	400V3ac

D: Interface Type

Group	Interface type	Difference
01	Analogue/Pulse I/F,for Rotary motor	Controll board is Analogue/Pulse I/F. Software is for Analogue/Pulse I/F, Rotary motor.
05	Analogue/Pulse I/F,for Linear motor	Hardware is exactly same as 01 type. Software is changed from 01 type for Linear motor.
11	MECHATROLINK-II I/F,for Rotary motor	Controll 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.
E1	Command Option I/F,for Rotary motor	Controll board is Command Option I/F. Software is for Command Option I/F, Rotary motor.
E5	Command Option I/F,for Linear motor	Hardware is exactly same as E1 type. Software is changed from E1 type for Linear motor.
21	MECHATROLINK-III I/F,for Rotary motor	Controll 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.
F1	Multi Windings Drive type,for Rotary motor	Hardware is exactly same as 11 type. Software for Multi Windings Drive type Rotary motor.
31	MECHATROLINK-III(RJ-45) I/F, for Rotary motor	Controll board is MECHATROLINK-III(RJ-45) I/F. Software is for MECHATROLINK-III(RJ-45) I/F, Rotary motor.
35	MECHATROLINK-III(RJ-45) I/F, for Linear motor	Hardware is exactly same as 31 type. Software is changed from 31 type for Linear motor.

Original

E: Design Order
A : Standard
B : Fan-less

F: Specification of Y-number

Group	Specification	Difference from Standard Model
Y5 * * * *	Software and parameters are changed. The combination of this model and Safety module is not possible	Hardware is exactly same as standard model.
Y6 * * * *	Software and parameters are changed. The combination of this model and Safety module is not possible	Hardware is exactly same as standard model.
Y7 * * * *	Software and parameters are changed. The combination of this model and Safety module is possible	Hardware is exactly same as standard model. Customised for non-safety related parameters and software.
Y8 * * * *	Software and parameters are changed. The combination of this model and Safety module is not possible	Hardware is exactly same as standard model.
Y9 * * * *	Software and parameters are changed. The combination of this model and Safety module is not possible	Hardware is exactly same as standard model.