SIEMENS

Prüfbescheinigung
nach EN 10204
Inspection document
according to EN 10204

Werksbescheinigung 2.1 / Declaration of compliance with the order 2.1

A5E38402365A

Hersteller / Manufacturer:
Siemens AG
Process Industries and Drives
Large Drives, PD LD

Adresse / Address:
Vogelweiherstr. 1-15
90441 Nürnberg
Germany

Produktbezeichnung / Product designation:

Antrieb mit explosionsgeschützten Drehstrommotor der Gerätekategorie 3 für den Gasbereich (Zone 2)

Drives with explosion-proof low-voltage motor in category 3 for gas atmosphere (zone 2)

Motortyp / Type of motor:
1LA5/6/7/9 …-; 1LG4/6
Baugröße / Frame Size:
BG / FS 63M – 315L; 2 - 8-polig / pole
Umrichtertyp / Type of converter:
6SL32- : SINAMICS G120

Bestätigung:

Wir bestätigen die Erfüllung der grundlegenden Sicherheits- und Gesundheitsschutz-anforderungen gemäß den in den Konformitätserklärungen aufgeführten EU-Richtlinien für die oben genannten Motoren in Verbindung mit den genannten Umrichtern.

Weiterhin bestätigen wir die Erfüllung der genannten Anforderungen an die Konzeption und den Bau von Geräten und Schutzsystemen zur bestimmungsgemäßen Verwendung in explosionsgefährdeten Bereichen, wenn:

- eingebaute Kaltleiter in Verbindung mit einem geeigneten Auslösegerät verwendet werden (siehe Katalog D81.1 Kapitel „Explosionsgeschützte Motoren“).
- die auf dem Motor-Leistungsschild angegebene höchste Frequenz nicht überschritten wird.
- die Zuordnung Motor-Umrichter und die notwendigen Momentenreduzierungen in Abhängigkeit vom Frequenzstellbereich entsprechend dem Projektierungstool „SIZER for Siemens Drives“ oder durch Berechnungen durch die angebotsabgebende Abteilung erfolgt ist.

Confirmation:

We confirm that the above mentioned motors in combination with the mentioned converters fulfill the essential requirements of safety and health protection according to the EC-directives mentioned in the EC-Declaration of Conformity.

Furthermore we confirm that we fulfill the requirements for the concept and the construction of equipment and protection systems to the specified application in potentially hazardous areas if:

- the built-in thermistors or temperature sensors in combination with the suitable tripping unit (Catalog D81.1 chapter "Explosion-Proof Motors") are used.
- the maximum frequency stated on the motor's rating plate is not exceeded.
- The motor and frequency converter as well as the requisite reduction of moment that depends on the set frequency range according to the projecting tool „SIZER for Siemens Drives" have been allocated or the rating has been done by the offering department.

Unterzeichnet für und im Namen von: / Signed for and on behalf of:

Siemens Aktiengesellschaft
Nürnberg, 17.06.2016

i.V. .....
Klaus Körber
Head of LD P Research and Development

i.V. .....
Dr. Michael Kulig
Head of LD P Quality Management

Anlage zur Werksbescheinigung 2.1

Beschreibung des Gerätes:
Drehstrommotoren, deren Drehzahl über die Frequenz einstellbar ist, werden über Spannungszwischenkreis-Umrichter zum Anschluss an ein Wechselstromnetz im Bereich von 0,9x U_N bis 1,1x U_N, 50Hz oder 60Hz betrieben.

Bemessungsgrößen und Daten des Motors/Umrichters:

Motoren / Baugröße	BG 63 M – BG 315 L
Leistung P_2	≤ 250 kW (bezogen auf 50 Hz) ≤ 288 kW (bezogen auf 60 Hz)
Spannung U_{Netz}	200 V – 460 V
Polzahl	2 – 8
Frequenz f	5 Hz – 100 Hz [1)]
Zulässige Umgebungstemperaturbereich T_A	-40 °C bis +60 °C (gültig für Motoren) [2)]
Betriebsart	z.B. S1
Wärmeklasse	F
Aufstellungshöhe	< 1000m [2)]
Kennlinienart	U / f

[1)]: aus mechanischen Gründen sind die Begrenzungen der Frequenzen zu beachten: ab BG 100 bei 2poligen Motoren, ab BG 315 bei 4poligen Motoren
[2)]: ab T_A > 40 °C und Aufstellungshöhe > 1000m ist Leistungsreduzierung zu beachten

Hinweise:
Motor und Umrichter sind hinsichtlich Leistung und Spannung geeignet auszuwählen, Gruppenantrieb, IT-Spannungsnetze sowie Betrieb mit AFE (active front end) bzw. ALM (active line modul) ist **nicht** zulässig. Kein dauerhafter generatorischer Betrieb zulässig! Motorspannung, –strom und –drehzahl können sich mit der Umrichtereingangsspannung ändern. Der höchste auf dem Leistungsschild gestempelte Strom im festgelegten Frequenzbereich ist als Dauerstrom I_D des Umrichters einzustellen. Für Beschleunigungsvorgänge kann kurzeitig (< 60 s) dieser Strom um 50% erhöht werden. Auf richtige Einstellung der U/f-Kennlinie ist zu achten. Die auf dem Motor-Leistungsschild angegebene höchste Frequenz darf nicht überschritten werden. Durch eine interne Begrenzung (z. B. Parametrierung) ist dies zu verhindern. Es ist sicherzustellen, dass an den Motorklemmen keine Überspannungen von mehr als 1556 V auftreten.

Um Schäden durch Lagerströme zu vermeiden, werden isolierte Lager von BG 225 S bis 315 L empfohlen. Bei Betrieb mit Frequenzen oberhalb von 50 Hz reduziert sich die Schmiermittelgebrauchsdauer. Eine Stillstandheizung darf nur eingeschaltet werden, wenn die Drehstrommotoren nicht in Betrieb sind.

Hinsichtlich Motorkabellängen und -ausführungen sind die Hinweise (z. B. EMV) der entsprechenden Umrichter-Betriebsanleitungen/Kataloge zu beachten.

Überwachungseinrichtung:
Gegen unzulässige Erwärmungen infolge Überlast werden die Motoren durch eine Einrichtung zur direkten Temperaturüberwachung, verbunden mit fest eingestellten Einstelldaten des Umrichters, überwacht. Diese besteht aus drei in der Wicklung eingebauten Temperaturfühlern und einem Auslösegerät, wobei die Anforderungen an die Schutzsysteme nach der Richtlinie für Geräte und Schutzsysteme zur bestimmungsgemäßen Verwendung in explosionsgefährdeten Bereichen zu beachten sind.

Für Zone 21 werden prüfstellenbescheinigte Auslösegeräte benötigt, für Zone 2 und 22 werden diese empfohlen.

Alle übrigen Einstelldaten sind den Erfordernissen des Antriebes entsprechend zu wählen.

Der Betreiber hat die jeweiligen Errichtungsbestimmungen zu beachten.

SIEMENS

Prüfbescheinigung
nach EN 10204
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Appendix to Declaration of compliance with the order 2.1

Description of the device:
Three-phase motors which speed (r.p.m.) can be adjusted via the frequency are operated via the intermediate voltage circuit's frequency converter for connecting to an AC system in the range from 0.9x U_N to 1.1x U_N at 50 Hz or 60 Hz.

Rated magnitudes and data of the motor/converter:

Motors / Size	FS 63 M – FS 315 L
Output P_2	≤ 250 kW (bezogen auf 50 Hz) ≤ 288 kW (bezogen auf 60 Hz)
Voltage U_{Netz}	200 V – 460 V
Polzahl	2 – 8
Frequency f	5 Hz – 100 Hz [1)]
Permissible range of environmental temperature T_A	-40 °C bis +60 °C (valid for motors) [2)] *:
Type of operation	e.g. S1
Temperature class	F
Altitude	< 1000m [2)]
Characteristic curve	U / f

[1)]: the limitations on the frequencies must be noted for mechanical reasons:
from FS 100 for 2-pole motors, from FS 315 for 4-pole motors
[2)]: the reduction in output from T_A > 40 °C and a site altitude > 1000m must be noted

Advice:
The motor and frequency converter must be suitably chosen regarding output and voltage; a combined drive, IT power systems and operation with an AFE (active front end) or rather ALM (active line modul) are **impermissible**. Permanent generator operation not permitted! The motor's voltage, current and speed can vary with the frequency converter's input voltage. The maximum current that is stamped on the rating plate in the specified frequency range must be set as the frequency converter's continuous current I_D. The current can be temporarily increased by 50% during acceleration processes (< 60 s). The U/f characteristics must be set correctly. The maximum frequency that is stated on the motor's rating plate must not be exceeded. This must be prevented by internal limiting (e.g. parameterization). It has to be guaranteed, that no overvoltages of more than 1556 V occur at the terminal of the motor.

Insulated bearings of the FS 225 S to 315 L types are recommended in order to avoid damage by the bearing currents. The service life of the lubricant is reduced by operation at frequencies greater than 50 Hz. Standstill heating must only be switched on if the three-phase motors are not in operation.

The advice that is given in the appropriate operating instructions for the frequency converter mut be followed regarding the motor's cable lengths and versions (e.g. EMC).

Monitoring device:
The motors are monitored by a device which monitors the temperature directly and is connected to setting data that has been stipulated for the frequency converter, in order to prevent impermissible heating as a result of overloading. This device consists of three temperature sensors that are installed in the coil, as well as a trigger device and the requirements on the protection system according tot he directive for equipment and protective systems intended for use in potentially explosive atmospheres and have to be noticed.

For zone 21 trigger devices certified by a notified body are required, for zone 22 certified trigger devices are recommended.

All of the remaining settings data must be chosen according tot he drive's requirements.

Compliance with the respective installation regulations must be ensured by the operator.

SIEMENS

Prüfbescheinigung
nach EN 10204
Inspection document
according to EN 10204

Werksbescheinigung 2.1 / Declaration of compliance with the order 2.1

A5E38402476A

Hersteller / Manufacturer:
Siemens AG
Process Industries and Drives
Large Drives, PD LD

Adresse / Address:
Vogelweiherstr. 1-15
90441 Nürnberg
Germany

Produktbezeichnung / Product designation:

Antriebe mit explosionsgeschützten Drehstrommotorn der Gerätekategorie 3 für den Gasbereich (Zone 2)

Drives with explosion-proof low-voltage motors in category 3 for gas atmosphere (zone 2)

Motortyp / Type of motor:
1LA5/6/7/9 …-; 1LG4/6 …-
Baugröße / Frame Size:
BG / FS 63M – 315L; 2 - 8-polig / pole
Umrichtertyp / Type of converter:
6SE3…-, 6SE9…-, 6SE6…- : Micromaster
6SL32..- : ET200S-FC
6SE7…- : Simovert Masterdrives VC
6SL3…- : SINAMICS G110

Bestätigung:

Wir bestätigen die Erfüllung der grundlegenden Sicherheits- und Gesundheitsschutz-anforderungen gemäß den in den Konformitätserklärungen aufgeführten EU-Richtlinien für die oben genannten Motoren in Verbindung mit den genannten Umrichtern.

Weiterhin bestätigen wir die Erfüllung der genannten Anforderungen an die Konzeption und den Bau von Geräten und Schutzsystemen zur bestimmungsgemäßen Verwendung in explosionsgefährdeten Bereichen, wenn:

- eingebaute Kaltleiter in Verbindung mit einem geeigneten Auslösegerät verwendet werden (siehe Katalog D81.1 Kapitel „Explosionsgeschützte Motoren“).
- die auf dem Motor-Leistungsschild angegebene höchste Frequenz nicht überschritten wird.
- die Zuordnung Motor-Umrichter und die notwendigen Momentenreduzierungen in Abhängigkeit vom Frequenzstellbereich entsprechend dem Projektierungstool „SIZER for Siemens Drives“ oder durch Berechnungen durch die angebotsabgebende Abteilung erfolgt ist.

Confirmation:

We confirm that the above mentioned motors in combination with the mentioned converters fulfill the essential requirements of safety and health protection according to the EC-directives mentioned in the EC-Declaration of Conformity.

Furthermore we confirm that we fulfill the requirements for the concept and the construction of equipment and protection systems to the specified application in potentially hazardous areas if:

- the built-in thermistors or temperature sensors in combination with the suitable tripping unit (Catalog D81.1 chapter "Explosion-Proof Motors") are used.
- the maximum frequency stated on the motor's rating plate is not exceeded.
- The motor and frequency converter as well as the requisite reduction of moment that depends on the set frequency range according to the projecting tool „SIZER for Siemens Drives" have been allocated or the rating has been done by the offering department.

Unterzeichnet für und im Namen von: / Signed for and on behalf of:

Siemens Aktiengesellschaft
Nürnberg, 17.06.2016

i.V. .....
Klaus Körber
Head of LD P Research and Development

i.V. .....
Dr. Michael Kulig
Head of LD P Quality Management

Anlage zur Werksbescheinigung 2.1

Beschreibung des Gerätes:
Drehstrommotoren, deren Drehzahl über die Frequenz einstellbar ist, werden über Spannungszwischenkreis-Umrichter zum Anschluss an ein Wechselstromnetz im Bereich von 0,9x U_N bis 1,1x U_N, 50 Hz oder 60 Hz betrieben.

Bemessungsgrößen und Daten des Motors/Umrichters:

Motoren / Baugröße	BG 63 M – BG 315 L
Leistung P_2	≤ 250 kW (bezogen auf 50 Hz) ≤ 288 kW (bezogen auf 60 Hz)
Spannung U_{Netz}	200 V – 460 V
Polzahl	2 – 8
Frequenz f	5 Hz – 100 Hz [1)]
Zulässige Umgebungstemperaturbereich T_A	-40 °C bis +60 °C (gültig für Motoren) [2)]
Betriebsart	z.B. S1
Wärmeklasse	F
Aufstellungshöhe	< 1000m [2)]
Kennlinienart	U / f

[1)]: aus mechanischen Gründen sind die Begrenzungen der Frequenzen zu beachten:
ab BG 100 bei 2-poligen Motoren, ab BG 315 bei 4-poligen Motoren
[2)]: ab T_A > 40 °C und Aufstellungshöhe > 1000m ist Leistungsreduzierung zu beachten

Hinweise:
Motor und Umrichter sind hinsichtlich Leistung und Spannung geeignet auszuwählen, Gruppenantrieb, IT-Spannungsnetze sowie Betrieb mit AFE (active front end) bzw. ALM (active line modul) ist **nicht** zulässig. Kein dauerhafter generatorischer Betrieb zulässig! Motorspannung, –strom und –drehzahl können sich mit der Umrichtereingangsspannung ändern. Der höchste auf dem Leistungsschild gestempelte Strom im festgelegten Frequenzbereich ist als Dauerstrom I_D des Umrichters einzustellen. Für Beschleunigungsvorgänge kann kurzeitig (< 60 s) dieser Strom um 50% erhöht werden. Auf richtige Einstellung der U/f-Kennlinie ist zu achten. Die auf dem Motor-Leistungsschild angegebene höchste Frequenz darf nicht überschritten werden. Durch eine interne Begrenzung (z. B. Parametrierung) ist dies zu verhindern. Es ist sicherzustellen, dass an den Motorklemmen keine Überspannungen von mehr als 1556 V auftreten.

Um Schäden durch Lagerströme zu vermeiden, werden isolierte Lager von BG 225 S bis 315 L empfohlen. Bei Betrieb mit Frequenzen oberhalb von 50 Hz reduziert sich die Schmiermittelgebrauchsdauer. Eine Stillstandheizung darf nur eingeschaltet werden, wenn die Drehstrommotoren nicht in Betrieb sind.

Hinsichtlich Motorkabellängen und -ausführungen sind die Hinweise (z. B. EMV) der entsprechenden Umrichter-Betriebsanleitungen/Kataloge zu beachten.

Überwachungseinrichtung:
Gegen unzulässige Erwärmungen infolge Überlast werden die Motoren durch eine Einrichtung zur direkten Temperaturüberwachung, verbunden mit fest eingestellten Einstelldaten des Umrichters, überwacht. Diese besteht aus drei in der Wicklung eingebauten Temperaturfühlern und einem Auslösegerät, wobei die Anforderungen an die Schutzsysteme nach der Richtlinie für Geräte und Schutzsysteme zur bestimmungsgemäßen Verwendung in explosionsgefährdeten Bereichen zu beachten sind.

Für Zone 21 werden prüfstellenbescheinigte Auslösegeräte benötigt, für Zone 2 und 22 werden diese empfohlen.

Alle übrigen Einstelldaten sind den Erfordernissen des Antriebes entsprechend zu wählen.

Der Betreiber hat die jeweiligen Errichtungsbestimmungen zu beachten.

SIEMENS

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Appendix to Declaration of compliance with the order 2.1

Description oft he device:
Three-phase motors which speed (r.p.m.) can be adjusted via the frequency are operated via the intermediate voltage circuit's frequency converter for connecting to an AC system in the range from 0.9x U_N to 1.1x U_N at 50 Hz or 60 Hz.

Rated magnitudes and data of the motor/converter:

Motors / Size	FS 63 M – FS 315 L
Output P_2	≤ 250 kW (bezogen auf 50 Hz) ≤ 288 kW (bezogen auf 60 Hz)
Voltage U_{Netz}	200 V – 460 V
Polzahl	2 – 8
Frequency f	5 Hz – 100 Hz [1)]
Permissible range of environmental temperature T_A	-40 °C bis +60 °C (valid for motors) [2)]
Type of operation	e.g. S1
Temperature class	F
Altitude	< 1000m [2)]
Characteristic curve	U / f

[1)]: the limitations on the frequencies must be noted for mechanical reasons:
from FS 100 for 2-pole motors, from FS 315 for 4-pole motors
[2)]: the reduction in output from T_A > 40 °C and a site altitude > 1000m must be noted

Advice:
The motor and frequency converter must be suitably chosen regarding output and voltage; a combined drive, IT power systems and operation with an AFE (active front end) or rather ALM (active line modul) are **impermissible**. Permanent generator operation not permitted! The motor's voltage, current and speed can vary with the frequency converter's input voltage. The maximum current that is stamped on the rating plate in the specified frequency range must be set as the frequency converter's continuous current I_D. The current can be temporarily increased by 50% during acceleration processes (< 60 s). The U/f characteristics must be set correctly. The maximum frequency that is stated on the motor's rating plate must not be exceeded. This must be prevented by internal limiting (e.g. parameterization). It has to be guaranteed, that no overvoltages of more than 1556 V occur at the terminal of the motor.

Insulated bearings of the FS 225 S to 315 L types are recommended in order to avoid damage by the bearing currents. The service life of the lubricant is reduced by operation at frequencies greater than 50 Hz. Standstill heating must only be switched on if the three-phase motors are not in operation.

The advice that is given in the appropriate operating instructions for the frequency converter mut be followed regarding the motor's cable lengths and versions (e.g. EMC).

Monitoring device:
The motors are monitored by a device which monitors the temperature directly and is connected to setting data that has been stipulated for the frequency converter, in order to prevent impermissible heating as a result of overloading. This device consists of three temperature sensors that are installed in the coil, as well as a trigger device and the requirements on the protection system according tot he directive for equipment and protective systems intended for use in potentially explosive atmospheres and have to be noticed.

For zone 21 trigger devices certified by a notified body are required, for zone 22 certified trigger devices are recommended.

All of the remaining settings data must be chosen according tot he drive's requirements.

Compliance with the respective installation regulations must be ensured by the operator.

SIEMENS

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Werksbescheinigung 2.1 / Declaration of compliance with the order 2.1

A5E38408164A

Hersteller / Manufacturer:
Siemens AG
Process Industries and Drives
Large Drives, PD LD

Adresse / Address:
Vogelweiherstr. 1-15
90441 Nürnberg
Germany

Produktbezeichnung / Product designation:

Antrieb mit explosionsgeschützten Drehstrommotor der Gerätekategorie 2 und 3 für Staub (Zone 21 und 22):

Drives with explosion-proof low-voltage motor in category 2 and 3 for dust (zone 21 and 22):

Motortyp / Type of motor:
1LA5/6/7/9 …-; 1LG4/6 …-.
Baugröße / Frame Size:
BG / FS 63M – 315L; 2 - 8-polig / pole
Umrichtertyp / Type of converter:
6SL32- : SINAMICS G120

Bestätigung:

Wir bestätigen die Erfüllung der grundlegenden Sicherheits- und Gesundheitsschutz-anforderungen gemäß den in den Konformitätserklärungen aufgeführten EU-Richtlinien für die oben genannten Motoren in Verbindung mit den genannten Umrichtern.

Weiterhin bestätigen wir die Erfüllung der genannten Anforderungen an die Konzeption und den Bau von Geräten und Schutzsystemen zur bestimmungsgemäßen Verwendung in explosionsgefährdeten Bereichen, wenn:

- eingebaute Kaltleiter in Verbindung mit einem geeigneten Auslösegerät verwendet werden (siehe Katalog D81.1 Kapitel „Explosionsgeschützte Motoren“).
- die auf dem Motor-Leistungsschild angegebene höchste Frequenz nicht überschritten wird.
- die Zuordnung Motor-Umrichter und die notwendigen Momentenreduzierungen in Abhängigkeit vom Frequenzstellbereich entsprechend dem Projektierungstool „SIZER for Siemens Drives“ oder durch Berechnungen durch die angebotsabgebende Abteilung erfolgt ist.

Confirmation:

We confirm that the above mentioned motors in combination with the mentioned converters fulfill the essential requirements of safety and health protection according to the EC-directives mentioned in the EC-Declaration of Conformity.

Furthermore we confirm that we fulfill the requirements for the concept and the construction of equipment and protection systems to the specified application in potentially hazardous areas if:

- the built-in thermistors or temperature sensors in combination with the suitable tripping unit (Catalog D81.1 chapter "Explosion-Proof Motors") are used.
- the maximum frequency stated on the motor's rating plate is not exceeded.
- The motor and frequency converter as well as the requisite reduction of moment that depends on the set frequency range according to the projecting tool „SIZER for Siemens Drives" have been allocated or the rating has been done by the offering department.

Unterzeichnet für und im Namen von: / Signed for and on behalf of:

Siemens Aktiengesellschaft
Nürnberg, 17.06.2016

i.V. .....
Klaus Körber
Head of LD P Research and Development

i.V. .....
Dr. Michael Kulig
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SIEMENS

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Anlage zur Werksbescheinigung 2.1

Beschreibung des Gerätes:
Drehstrommotoren, deren Drehzahl über die Frequenz einstellbar ist, werden über Spannungszwischenkreis-Umrichter zum Anschluss an ein Wechselstromnetz im Bereich von 0,9x U_N bis 1,1x U_N, 50Hz oder 60Hz betrieben.

Bemessungsgrößen und Daten des Motors/Umrichters:

Motoren / Baugröße	BG 63 M – BG 315 L
Leistung P_2	≤ 250 kW (bezogen auf 50 Hz) ≤ 288 kW (bezogen auf 60 Hz)
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Polzahl	2 – 8
Frequenz f	5 Hz – 100 Hz [1)]
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Betriebsart	z.B. S1
Wärmeklasse	F
Aufstellungshöhe	< 1000m [2)]
Kennlinienart	U / f

[1)]: aus mechanischen Gründen sind die Begrenzungen der Frequenzen zu beachten:
ab BG 100 bei 2-poligen Motoren, ab BG 315 bei 4-poligen Motoren
[2)]: ab T_A > 40 °C und Aufstellungshöhe > 1000m ist Leistungsreduzierung zu beachten

Hinweise:
Motor und Umrichter sind hinsichtlich Leistung und Spannung geeignet auszuwählen, Gruppenantrieb, IT-Spannungsnetze sowie Betrieb mit AFE (active front end) bzw. ALM (active line modul) ist **nicht** zulässig. Kein dauerhafter generatorischer Betrieb zulässig! Motorspannung, –strom und –drehzahl können sich mit der Umrichtereingangsspannung ändern. Der höchste auf dem Leistungsschild gestempelte Strom im festgelegten Frequenzbereich ist als Dauerstrom I_D des Umrichters einzustellen. Für Beschleunigungsvorgänge kann kurzeitig (< 60 s) dieser Strom um 50% erhöht werden. Auf richtige Einstellung der U/f-Kennlinie ist zu achten. Die auf dem Motor-Leistungsschild angegebene höchste Frequenz darf nicht überschritten werden. Durch eine interne Begrenzung (z. B. Parametrierung) ist dies zu verhindern. Es ist sicherzustellen, dass an den Motorklemmen keine Überspannungen von mehr als 1556 V auftreten.

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Hinsichtlich Motorkabellängen und -ausführungen sind die Hinweise (z. B. EMV) der entsprechenden Umrichter-Betriebsanleitungen/Kataloge zu beachten.

Überwachungseinrichtung:
Gegen unzulässige Erwärmungen infolge Überlast werden die Motoren durch eine Einrichtung zur direkten Temperaturüberwachung, verbunden mit fest eingestellten Einstelldaten des Umrichters, überwacht. Diese besteht aus drei in der Wicklung eingebauten Temperaturfühlern und einem Auslösegerät, wobei die Anforderungen an die Schutzsysteme nach der Richtlinie für Geräte und Schutzsysteme zur bestimmungsgemäßen Verwendung in explosionsgefährdeten Bereichen zu beachten sind.

Für Zone 21 werden prüfstellenbescheinigte Auslösegeräte benötigt, für Zone 2 und 22 werden diese empfohlen.

Alle übrigen Einstelldaten sind den Erfordernissen des Antriebes entsprechend zu wählen.

Der Betreiber hat die jeweiligen Errichtungsbestimmungen zu beachten.

SIEMENS

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Description of the device:
Three-phase motors which speed (r.p.m.) can be adjusted via the frequency are operated via the intermediate voltage circuit's frequency converter for connecting to an AC system in the range from 0.9x U_N to 1.1x U_N at 50 Hz or 60 Hz.

Rated magnitudes and data of the motor/converter:

Motors / Size	FS 63 M – FS 315 L
Output P_2	≤ 250 kW (bezogen auf 50 Hz) ≤ 288 kW (bezogen auf 60 Hz)
Voltage U_{Netz}	200 V – 460 V
Polzahl	2 – 8
Frequency f	5 Hz – 100 Hz [1)]
Permissible range of environmental temperature T_A	-40 °C bis +60 °C (valid for motors) [2)]
Type of operation	e.g. S1
Temperature class	F
Altitude	< 1000m [2)]
Characteristic curve	U / f

[1)]: the limitations on the frequencies must be noted for mechanical reasons:
from FS 100 for 2-pole motors, from FS 315 for 4-pole motors
[2)]: the reduction in output from T_A > 40 °C and a site altitude > 1000m must be noted

Advice:
The motor and frequency converter must be suitably chosen regarding output and voltage; a combined drive, IT power systems and operation with an AFE (active front end) or rather ALM (active line modul) are **impermissible**. Permanent generator operation not permitted! The motor's voltage, current and speed can vary with the frequency converter's input voltage. The maximum current that is stamped on the rating plate in the specified frequency range must be set as the frequency converter's continuous current I_D. The current can be temporarily increased by 50% during acceleration processes (< 60 s). The U/f characteristics must be set correctly. The maximum frequency that is stated on the motor's rating plate must not be exceeded. This must be prevented by internal limiting (e.g. parameterization). It has to be guaranteed, that no overvoltages of more than 1556 V occur at the terminal of the motor.

Insulated bearings of the FS 225 S to 315 L types are recommended in order to avoid damage by the bearing currents. The service life of the lubricant is reduced by operation at frequencies greater than 50 Hz. Standstill heating must only be switched on if the three-phase motors are not in operation.

The advice that is given in the appropriate operating instructions for the frequency converter mut be followed regarding the motor's cable lengths and versions (e.g. EMC).

Monitoring device:
The motors are monitored by a device which monitors the temperature directly and is connected to setting data that has been stipulated for the frequency converter, in order to prevent impermissible heating as a result of overloading. This device consists of three temperature sensors that are installed in the coil, as well as a trigger device and the requirements on the protection system according tot he directive for equipment and protective systems intended for use in potentially explosive atmospheres and have to be noticed.

For zone 21 trigger devices certified by a notified body are required, for zone 22 certified trigger devices are recommended.

All of the remaining settings data must be chosen according tot he drive's requirements.

Compliance with the respective installation regulations must be ensured by the operator.

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Prüfbescheinigung
nach EN 10204
Inspection document
according to EN 10204

Werksbescheinigung 2.1
Declaration of compliance with the order 2.1

Nr. / *No.* A5E42465701A

Hersteller / *Manufacturer*:

Siemens AG
Process Industries and Drives
Large Drives, PD LD

Adresse / *Address*:

Vogelweiherstr. 1-15
90441 Nürnberg
Germany

Produktbezeichnung:
Product designation:

Antriebe mit SIMOTICS DP Rollgangmotoren /
Drives of SIMOTICS DP roller-table motors

Motor Typenreihen / *Motor types*: 1PC1423.
Baugröße / Frame size 112M up to 200K: 4- und/and 6-polig / pole

Umrichtertypen / *Converter types*:

6SL3 21...:	SINAMICS S120 mit/with PM240-2
6SL3 3...:	SINAMICS S120 Chassis Unit
6SL3 710...:	SINAMICS S150
6SL3 21...:	SINAMICS G120 mit/with PM240-2
6SL3 224...:	SINAMICS G120 mit/with PM240
6SL3 210...:	SINAMICS G120C
6SL3 040...:	SINAMICS G130
6SL3 710...:	SINAMICS G150

Bestätigung:
Wir bestätigen die Erfüllung der grundlegenden Sicherheits- und Gesundheitsschutz-anforderungen gemäß der in den EU-Konformitätserklärungen aufgeführten EU-Richtlinien für die oben genannten Motoren in Verbindung mit den genannten Umrichtern.

Confirmation:
We confirm that the above mentioned motors in combination with the mentioned converters fulfill the essential requirements of safety and health protection according to the EU-directives mentioned in the EU Declaration of Conformity.

Siemens Aktiengesellschaft
Nürnberg, 17.07.2017

i.V. Koch
Dr. Thomas Koch
Head of LD P Research and Development Motors

Peter Hammermann
Head of LD P Quality Management

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Prüfbescheinigung
nach EN 10204
Inspection document
according to EN 10204

Anlage zur Werksbescheinigung 2.1 für umrichtergespeiste Rollgangmotoren

Beschreibung des Gerätes:
Drehstrommotoren, deren Drehzahl über die Frequenz einstellbar ist, werden über Spannungszwischenkreis-Umrichter zum Anschluss an ein Wechselstromnetz im Bereich von $0{,}9xU_N$ bis $1{,}1xU_N$, 50 Hz oder 60 Hz betrieben.

Bemessungsgrößen und Daten der Motorenreihe:

- Max. Spannungsbeanspruchung:

	Isolationssystem „Advanced“	Isolationssystem „Premium“
$U_{Leiter-Leiter}$	≤ 3200 V_{pp}	≤ 4400 V_{pp}
$U_{Leiter-Erde}$	≤ 2800 V_{pp}	≤ 3000 V_{pp}

  - Spannungssteilheit ≤ 10 kV/µs (1000 V @ 0,1 µs)
- Min. Grundwellenspannung in Abhängigkeit der thermischen Grenzkurve (Einteilung entsprechend Projektierungstool „Sizer“):
  - Gruppe 1: $U_{H01} \geq 95\ \% U_{nenn}$ / Eckfrequenz: 47/57/82Hz bei 50/60/87Hz-Kennlinie
  - Gruppe 2: $U_{H01} = 100\ \% U_{nenn}$ / Eckfrequenz: 50/60/87Hz bei 50/60/87Hz-Kennlinie
- Überlastbarkeit (max. Stromstärke):
  - I_{dauer} … max. Dauerstromstärke entsprechend Typenschild Umrichterbetrieb
  - $I_{kurz} \leq 1{,}5 \times I_{dauer}$ … max. kurzzeitig auftretende Stromstärke
  - $T_{kurz} \leq 60$ s … zulässige Dauer der Überlastung
- Motorfrequenz:
  Die Motoren sind für einen Frequenzbereich zwischen min. 5 Hz bis max. 100 Hz ausgelegt. Abweichende Grenzen bzgl. minimaler und maximaler Frequenz müssen uneingeschränkt entsprechend Angaben auf dem Motortypenschild eingehalten werden!

Bemessungsgrößen und Daten für allgemeinen Umrichterbetrieb

- BLM (DFE) Einhaltung der max. Motorkabellängen entsprechend Umrichter-Projektierungshandbuch.

	Isolationssystem „Advanced“	Isolationssystem „Premium“
U_{Netz}	≤ 500 V ±10 %	≤ 690 V ±10 %

- ALM (AFE) Motornennleistung unter Einhaltung max. Motorkabellängen entsprechend Umrichter – Projektierungshandbuch und folgenden Zwischenkreisspannungen.

	Isolationssystem „Advanced“	Isolationssystem „Premium“
U_{Netz}	≤ 460 V ±10 %	≤ 690 V ±10 %
U_{zk}	≤ 720 V	≤ 1035 V

- Minimale Pulsfrequenz: 4 kHz
- Regelungsart:
  - U/f, zulässig für kpl. Stellbereich (von minimaler bis maximaler Drehzahl/Frequenz)
  - Vektorregelung nur beschränkt zulässig (Betrieb im Bereich der Feldschwächung unzulässig!)
- Kein dauerhafter generatorischer Betrieb zulässig!
- Bremsbetrieb lt. folgender Tabelle

	Isolationssystem „Advanced“	Isolationssystem „Premium“
U_{DC}	≤ 750 V	≤ 1080 V

Hinweise:

Motor und Umrichter sind hinsichtlich Leistung und Spannung geeignet auszuwählen, Gruppenantrieb, IT-Spannungsnetze sowie dauerhafter generatorischer Betrieb sind nicht zulässig.
AFE Betrieb ist nur in Verbindung mit Siemens Umrichter und entsprechend max. Netzspannung zulässig. Motorspannung, -strom und -drehzahl können sich mit der Umrichtereingangsspannung ändern.

Der höchste auf dem Leistungsschild (Umrichterdaten) gestempelte Strom im festgelegten Frequenzbereich ist als Dauerstrom I_D des Umrichters einzustellen. Für Beschleunigungsvorgänge kann kurzzeitig (< 60 s) dieser Strom um 50% erhöht werden.
Auf richtige Einstellung der U/f-Kennlinie, dabei sind die Daten für Netzbetrieb zu verwenden, ist zu achten. Die auf dem Motortypenschild für Umrichterbetrieb angegebene höchste Frequenz darf nicht überschritten werden. Durch eine interne Begrenzung (z. B. Umrichterparametrierung) ist dies zu verhindern.
Es ist sicherzustellen, dass an den Motorklemmen die maximalen Spannungsspitzen lt. folgender Tabelle nicht überschritten werden.

	Isolationssystem „Advanced“	Isolationssystem „Premium“
$U_{Leiter\text{-}Leiter}$	≤ 3200 V_{pp}	≤ 4400 V_{pp}
$U_{Leiter\text{-}Erde}$	≤ 2800 V_{pp}	≤ 3000 V_{pp}

Bei Betrieb mit Frequenzen oberhalb 50 Hz reduziert sich die Schmiermittelgebrauchsdauer. Eine eventuell vorhandene Stillstandsheizung darf nur eingeschaltet werden, wenn der Drehstrommotor nicht in Betrieb ist.
Hinsichlich Motorkabellängen und –ausführungen sind die Hinweise (z. B. EMV) der entsprechenden Umrichter-Betriebsanleitung/Katalog und die Angaben in dieser Werksbescheinigung zu beachten.

Überwachungseinrichtung:
Gegen unzulässige Erwärmungen infolge Überlast werden die Motoren durch eine Einrichtung zur direkten Temperaturüberwachung, verbunden mit fest eingestellten Einstelldaten des Umrichters, überwacht.
Alle übrigen Einstelldaten sind den Erfordernissen des Antriebes entsprechend zu wählen.
Der Betreiber hat die jeweiligen Errichtungsbestimmungen zu beachten.

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Annex to Declaration of compliance with the order 2.1 for converter-fed roller-table motors

Description of the device:
Three-phase motors which speed (r.p.m.) can be adjusted via the frequency are operated via the intermediate voltage circuit's frequency converter for connecting to an AC system in the range from $0.9xU_N$ to $1.1xU_N$ at 50 Hz or 60 Hz.

Rated values and data of the motor range

- Max. voltage stressing:

	Insulation system „Advanced“	Insulation system „Premium“
$U_{phase-phase}$	≤ 3200 V_{pp}	≤ 4400 V_{pp}
$U_{phase-ground}$	≤ 2800 V_{pp}	≤ 3000 V_{pp}

  - Voltage gradient ≤ 10 kV/µs (1000 V @ 0,1 µs)
- Min. voltage of base frequency depending on the thermal limit characteristic (classification according engineering tool „Sizer“):
  - Group 1: $U_{H01} \geq 95\ \% U_{rated}$ / base frequency: 47/57/82Hz at 50/60/87Hz-characteristic
  - Group 2: $U_{H01} = 100\ \% U_{rated}$ / base frequency: 50/60/87Hz at 50/60/87Hz-characteristic
- Overload (max. current):
  - $I_{continuous}$ … max. continuous current acc. to name plate converter operation
  - $I_{short} \leq 1,5 \times I_{continuous}$ … max. short-term current
  - $T_{short} \leq 60$ s … permissible duration of overload
- Frequency of the motor:
  The motors are designed for the range of frequency of min. 5Hz up to max. 100Hz. Deviating limits according min. and max. frequency have to be unqualified comply with the data on the name plate.

Rated value and data for general converter operation

- BLM (DFE) Compliance of the max. cable length in accordance with converter-enginieering manual.

	Insulation system „Advanced“	Insulation system „Premium“
U_{system}	≤ 500 V ±10 %	≤ 690 V ±10 %

- ALM (AFE) rated output of motor with max. cable length of motor in accordance with converter-enginieering manual and following intermediate voltage.

	Insulation system „Advanced“	Insulation system „Premium“
U_{system}	≤ 460 V ±10 %	≤ 690 V ±10 %
U_{zk}	≤ 720 V	≤ 1035 V

- Min. pulse frequency: 4 kHz
- Control type:
  - U/f, permissible for complete control range (from min. up to max. speed/frequency)
  - Vector control only limited permissible (Operation in the range of field weakening not permissible!)
- Permanent generator operation not permitted!
- Braking operation according to following table

	Insulation system „Advanced“	Insulation system „Premium“
U_{DC}	≤ 750 V	≤ 1080 V

Advices:

The motor and frequency converter must be suitably chosen regarding output and voltage; a combined drive, IT power systems and permanent generator operation are not permitted.
AFE-operation is only permitted in combination with Siemens converter and maximum system voltage. The motor's voltage, current and speed can vary with the frequency converter's input voltage.
The maximum current that is stamped on the rating plate in the specified frequency range must be set as the frequency converter's continuous current I_D. The current can be temporarily increased by 50% during acceleration processes (< 60 s).
The U/f characteristics must be set correctly (data for on-line operation are to be used). The maximum frequency that is stated on the motor's rating plate must not be exceeded. This must be prevented by internal limiting (e.g. parameterization).
It has to be guaranteed, that at the terminals of the motor the maximum overvoltages according to following table are not to be exceeded.

	Insulation system „Advanced“	Insulation system „Premium“
$U_{phase\text{-}phase}$	≤ 3200 V_{pp}	≤ 4400 V_{pp}
$U_{phase\text{-}ground}$	≤ 2800 V_{pp}	≤ 3000 V_{pp}

The service life of the lubricant is reduced by operation at frequencies greater than 50 Hz. Anti-condensing heating must only be switched on if the three-phase motors are not in operation.
The advices that are given in the appropriate operating instructions/catalogs for the frequency converter and in this declaration of compliance must be followed regarding the motor's cable lengths and versions (e.g. EMC).

Monitoring device:

The motors are monitored by a device which monitors the temperature directly and is connected to setting data that has been stipulated for the frequency converter, in order to prevent impermissible heating as a result of overloading.
All of the remaining settings data must be chosen according to the drive's requirements.
Compliance with the respective installation regulations must be ensured by the operator.

Ende der Werksbescheinigung / *End of declaration of compliance*

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Information to Hazardous substances and the Environmental Protection Use Period Marking according to

“Marking for the Restricted Use of Hazardous Substances in Electronic and Electrical Products (SJ/T 11364-2014)”

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MLFB syntax:

?:	wildcard for one character
*:	wildcard for many character
[A|B|C]:	one of the characters, e.g. B

The following tables are prepared in accordance with the provision of SJT 11364.

O:
Indicates that said hazardous substances contained in all of the homogeneous materials for this part is below the limit requirement of GB/T 26572

X:
Indicates that said hazardous substances contained in at least one of the homogeneous materials used for this part is above the limit requirement of GB/T 26572.

(Enterprises may further provide in this box technical explanation for marking "X" based on their actual circumstances.)

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Motor:

1FK6*…	SIMOTICS S-1FK6 Servo Motors
1FK7*…	SIMOTICS S-1FK7 Servo Motors
1FT5*…	SIMOTICS S-1FT5 Servo Motors
1FT6*…	SIMOTICS S-1FT6 Servo Motors
1FT7*…	SIMOTICS S-1FT7 Servo Motors
1FL5*…	SIMOTICS S-1FL5 Servo Motors
1FL6*…	SIMOTICS S-1FL6 Servo Motors
1FN3*…	SIMOTICS L-1FN3 Linear Motors
1FN4*…	SIMOTICS L-1FN4 Linear Motors
1FN6*…	SIMOTICS L-1FN6 Linear Motors
1FS6*…	SIMOTICS S-1FS6 Servo Motors
1FG1*…	SIMOTICS S-1FG1 Servo Geared Motors
1PH1*…	SIMOTICS M-1PH1 Main Motors
– 1PH4*…	SIMOTICS M-1PH4 Main Motors
1PH7*…	SIMOTICS M-1PH7 Main Motors
1PH8*…	SIMOTICS M-1PH8 Main Motors
1PM4*…	SIMOTICS M-1PM4 Main Motors
1PM6*…	SIMOTICS M-1PM6 Main Motors
1FE2*…	SIMOTICS M-1FE2 Built-in Main Motors
1FE1*…	SIMOTICS M-1FE1 Built-in Main Motors
1PH2*…	SIMOTICS M-1PH2 Built-in Main Motors
1FW3*…	SIMOTICS T-1FW3 Complete Torque Motors
1FW6*…	SIMOTICS T-1FW6 Built-in Torque Motors
2SP1*…	2SP1 Motor Spindles
1FE9*…	SIMOTICS A-1FE9 Servo Motors
1PV5*…	SIMOTICS A-1PV5 Main Motors
1FV5*…	SIMOTICS A-1FV5 Servo Motors
1FN1*…	SIMOTICS L-1FN1 Linear Motors
L1M13*…	SIMOTICS L-L1M13 Linear Motors
L1M16*…	SIMOTICS T-L1M16 Built-in Torque Motors
L1M17*…	SIMOTICS L-L1M17 Linear Motors
L1M20*…	SIMOTICS L-L1M20 Linear Motors
L1M21*…	SIMOTICS L-L1M21 Linear Motors
L1M26*…	SIMOTICS T-L1M26 Built-in Torque Motors
L1M27*…	SIMOTICS T-L1M27 Built-in Torque Motors
L1M30*…	SIMOTICS L-L1M30 Linear Motors
L1M40*…	SIMOTICS T-L1M40
L1M46*…	SIMOTICS T-L1M46 Built-in Torque Motors
6FX2001*…	ENCODER
1FW4*…	SIMOTICS HT, SIMOTICS T-1FW4
1LM1*…, 1LQ1*…, 1LH1*…	SIMOTICS FD
1LN1*…, 1LL1*…, 1LP1*…	SIMOTICS FD
1MM1*…, 1MQ1*…, 1MH1*…	SIMOTICS FD
1MN1*…	SIMOTICS FD
1LA8*…, 1LL8*…, 1LP8*…	SIMOTICS TN Series N-compact
1PP8*…, 1LH8*…, 1PQ8*…	SIMOTICS TN Series N-compact
1G*…, 1H*…	SIMOTICS DC
1R[A|P|Q|N]1*…	SIMOTICS TN Series A-compact PLUS
1S[G|L]1*…	SIMOTICS TN Series A-compact PLUS
1L[A|H]4*…	SIMOTICS TN Series H-compact
1R?[4|6]*...	SIMOTICS TN Series H-compact PLUS
1S?[4|6]*…	SIMOTICS TN Series H-compact PLUS
1MS4*…	SIMOTICS TN Series H-compact
1PQ4*…	SIMOTICS TN Series H-compact
1PS[0|1|2]*…	LOHER VARIO Series

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1PS[4|5]*… LOHER VARIO flameproof Series
1PS[4|5]*… LOHER VARIO Tubecooled Series
1PS[0|1|4|5]*… LOHER VARIO water jacket cooled Series
1PS[0|1|6]*… LOHER VARIO PLUS Series

Motor 	Hazardous Substances					
	Lead (Pb)	Mercury (HG)	Cadmium (Cd)	Hexavalent Chromium (Cr (VI))	Polybrominated biphenyls (PBB)	Polybrominated diphenyl ethers (PBDE)
Housing / Enclosure / primary section	X	O	O	X	O	O
Connection system / Terminal Box and Connectors	X	O	O	X	O	O
Bearing shield DE / Endshield AS	X	O	O	O	O	O
Bearing shield NDE / Endshield BS	X	O	O	O	O	O
Enclosure flange DE / NDE	X	O	O	O	O	O
Rotor / secondary section	X	O	O	O	O	O
Encoder / Encoder	X	O	O	O	O	O
Brake / Brake	X	O	O	O	O	O
Fan / Fan	X	O	O	O	O	O
Connecting elements for final assembly / Connection Componentes for final assembling	O	O	O	X	O	O

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Motor (w/o Cr VI):

1LE10*…	SIMOTICS GP
1LA5*…, 1LA7*…, 1LA9*…	SIMOTICS GP
1PC10*…	SIMOTICS GP
1PP5*…, 1PP7*…	SIMOTICS GP
1LP5,* …	SIMOTICS GP
1LE15*…, 1LE16*…	SIMOTICS SD
1LG4*…, 1LG6*…, 1LA6*…	SIMOTICS SD
1PP4*…, 1PP6*…	SIMOTICS SD
1LP4*…, 1LP6*…	SIMOTICS SD
1FP1004*…	SIMOTICS GP
1FP1504*…	SIMOTICS SD
1MA6*…, 1MA7*…	SIMOTICS XP
1MB1*…	SIMOTICS XP
– 1PC1*…, 1PC3*…, 1PC8*	SIMOTICS DP
1LP3*…	SIMOTICS DP
1FU8*…	SIMOTICS A – 1FU8
1MD5*…	SIMOTICS XP
1PS0*…, 1PS1*…, 1PS2*…, 1PS5*…	LOHER CHEMSTAR
1LE0*…	SIMOTICS GP
1MB0*…	SIMOTICS XP

Motor w/o CrVI 	**Hazardous Substances**					
	Lead (Pb)	Mercury (HG)	Cadmium (Cd)	Hexavalent Chromium (Cr (VI))	Polybrominated biphenyls (PBB)	Polybrominated diphenyl ethers (PBDE)
Housing / Enclosure / primary section	X	O	O	O	O	O
Connection system / Terminal Box and Connectors	X	O	O	O	O	O
Bearing shield DE / Endshield AS	X	O	O	O	O	O
Bearing shield NDE / Endshield BS	X	O	O	O	O	O
Enclosure flange DE / NDE	X	O	O	O	O	O
Rotor / secondary section	X	O	O	O	O	O
Encoder / Encoder	X	O	O	O	O	O
Brake / Brake	X	O	O	O	O	O
Fan / Fan	X	O	O	O	O	O
Connecting elements for final assembly / Connection Componentes for final assembling	O	O	O	O	O	O

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Frequency Converter:

6SN112?-1[A|B]*…	SIMODRIVE 611 Power Module
6SN114?-1B*…	SIMODRIVE 611 Motor Module
6SN111[2|3]*…	SIMODRIVE 611 Power Module Equipment
6SE70??-??[A|B|C|D]*…	SIMOVERT MASTERDRIVES Compact
6SE70[1|2]?-?[EP|TP]*…	SIMOVERT MASTERDRIVES Compact Plus
6SE70??-??[E|F|G]*…	SIMOVERT MASTERDRIVES Chassis 1
6SE70??-??[J|K|L|M|N|Q|R]*…	SIMOVERT MASTERDRIVES Chassis 2
6SE64[1|2|3|4]0*…	MICROMASTER [410|411|420|430|436|440]
6SL3511-?PE*…	SINAMICS G110D FS [A|B|C]
6SL3211-0[A|K]B*…	SINAMICS G110 FS [A|B|C]
6SL3517-1BE*…	SINAMICS G110M PM240M FS [A|B]
6SL3223-0DE*…	SINAMICS G120P PM230 Framesize [A|B|C|D|E|F]
6SL3200-6AM*…	SINAMICS G120P PM230 Framesize [A|B|C|D|E|F]
6SL3310-1PE3*…	SINAMICS G120P PM330
6SL3310-1PG*…	SINAMICS G120P PM330
6SL3310-1UE*…	SINAMICS G120P PM330
6SL3310-1UG*…	SINAMICS G120P PM330
6SL3310-1C*…	SINAMICS G120L PM330L Power Module
6SL3210-1NE*…	SINAMICS G120 PM230 IP20 Framesize [A|B|C|D|E|F]
6SL3200-6AE*…	SINAMICS G120 PM230 IP20 Framesize [A|B|C|D|E|F]
6SL3211-1NE*…	SINAMICS G120 PM230 IP20 PT Framesize [A|B|C]
6SL3224-0BE*…	SINAMICS G120 PM240 Framesize [A|B|C|D|E|F|F+]
6SL3224-0XE4*…	SINAMICS G120 PM240 Framesize GX
6SL3210-1P*…	SINAMICS G120 PM240-2 Framesize [A|B|C|D|E|F]
6SL3211-1P*…	SINAMICS G120 PM240-2 PT Framesize [A|B|C]
6SL3525-0PE*…	SINAMICS G120D PM250D FS [A|B|C]
6SL3225-0BE*…	SINAMICS G120 PM250 Framesize [C|D|E|F]
6SL3225-0BH*…	SINAMICS G120 PM260 Framesize [D|F]

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6SL3210-1KE*…	SINAMICS G120C Framesize [AA|A|B|C]
6SL3244-0SA*…	ET200S ICU24
6SL3225-0SE[17|22|24]-*…	ET200S IPM25 FS [A|B]
6SL3235-0TE21*…	ET200PRO Drive
6SL3260-2TA00-0AA0	BACKPLANE BUS MODULE 155MM FOR ET 200PRO FREQ. CONVERTER
6SL3514-1KE*…	SIMATIC ET 200pro FC-2 Drive
6SL3310-1GE*…	SINAMICS G130 400V
6SL3310-1GF*…	SINAMICS G130 500V
6SL3310-1GH*…	SINAMICS G130 690V
6SL3310-1TE??-?AB*…	SINAMICS G150 400V
6SL3310-1TF*…	SINAMICS G150 500V
6SL3310-1TH*…	SINAMICS G150 690V
6SL3310-1TE*	SINAMICS S120/S150 Chassis Power Modules [210A-490A]
6SL3320-1T[E|G|H]*…	SINAMICS S120/S150 Chassis MM [GG]
6SL3330-7TE*…	SINAMICS S120/S150 Chassis ALM
6SL3330-7T???-?AB*…	SINAMICS S120/S150 Chassis ALM GG
6SL3330-1T[E|G|H]*…	SINAMICS S120/S150 Chassis BLM
6SL3330-6T[E|G]*…	SINAMICS S120/S150 Chassis SLM
6SL3111-3VE2*…	SINAMICS S120 Combi 3Achs
6SL3111-4VE2*…	SINAMICS S120 Combi 4Achs
6SL3161-0[EP|JP]*…	SINAMICS S120 Combi Equipment
6SL313?-6AE15*…	SINAMICS S120 Booksize SLM 5kW
6SL313?-6AE21*…	SINAMICS S120 Booksize SLM 10kW
6SL3?3?-6TE21*…	SINAMICS S120 Booksize SLM 16kW
6SL3?3?-6TE23*…	SINAMICS S120 Booksize SLM 36kW
6SL3?3?-6TE25*…	SINAMICS S120 Booksize SLM 55kW
6SL313?-7TE21*…	SINAMICS S120 Booksize ALM 16kW
6SL313?-7VE21*…	SINAMICS S120 Booksize ALM 16kW
6SL313?-7TE23*…	SINAMICS S120 Booksize ALM 36kW
6SL313?-7TE25*…	SINAMICS S120 Booksize ALM 55kW
6SL313?-7TE28*…	SINAMICS S120 Booksize ALM 80kW
6SL313?-7TE31*…	SINAMICS S120 Booksize ALM 120kW
6SL313?-1TE22*…	SINAMICS S120 Booksize BLM 20kW
6SL313?-1TE24*…	SINAMICS S120 Booksize BLM 40kW
6SL313?-1TE31*…	SINAMICS S120 Booksize BLM 100kW
6SL3?2?-1TE13*…	SINAMICS S120 Booksize SMM 3A
6SL3?2?-1TE15*…	SINAMICS S120 Booksize SMM 5A
6SL3?2?-1TE21-0*…	SINAMICS S120 Booksize SMM 9A
6SL3?2?-1VE21-0*…	SINAMICS S120 Booksize SMM 9A
6SL3?2?-1TE21-8*…	SINAMICS S120 Booksize SMM 18A
6SL3?2?-1VE21-8*…	SINAMICS S120 Booksize SMM 18A
6SL3?2?-1TE22-4*…	SINAMICS S120 Booksize SMM 24A
6SL3?2?-1VE22-4*…	SINAMICS S120 Booksize SMM 24A
6SL3?2?-1TE23*…	SINAMICS S120 Booksize SMM 30A
6SL3?2?-1TE24*…	SINAMICS S120 Booksize SMM 45A

6SL3?2?-1TE26*…	SINAMICS S120 Booksize SMM 60A
6SL3?2?-1TE28*…	SINAMICS S120 Booksize SMM 85A
6SL3?2?-1TE31*…	SINAMICS S120 Booksize SMM 132A
6SL3?2?-1TE32*…	SINAMICS S120 Booksize SMM 200A
6SL3?2?-2TE11*…	SINAMICS S120 Booksize DMM 2x1,7A
6SL3?2?-2TE13*…	SINAMICS S120 Booksize DMM 2x3A
6SL3?2?-2TE15*…	SINAMICS S120 Booksize DMM 2x5A
6SL3?2?-2VE15*…	SINAMICS S120 Booksize DMM 2x5A
6SL3?2?-2TE21-0*…	SINAMICS S120 Booksize DMM 2x9A
6SL3?2?-2VE21-0*…	SINAMICS S120 Booksize DMM 2x9A
6SL3?2?-2TE21-8*…	SINAMICS S120 Booksize DMM 2x18A
6SL3125-?UE*…	SINAMICS S120 HFS
–	
6SL3210-1S[B|E] *…	SINAMICS S120 Blocksize PM 340 0,9 A – 178 A
6SL3217-0CE*…	SINAMICS V10
6SL3210-5B[B|E]*…	SINAMICS V20
6SL3210-5C*…	SINAMICS V60
6SL3210-5D*…	SINAMICS V70
6SL3210-5FB*…	SINAMICS V90-200V
6SL3210-5FE*…	SINAMICS V90-400V
6SL3210-5HB*…	SINAMICS M2 Servo Drive 200V
6SL3210-5HE*…	SINAMICS M2 Servo Drive 400V
6RA70??-6??22*…	SIMOREG DC MASTER
6RA70??-6??62*…	SIMOREG DC MASTER
6RA70??-4??22*…	SIMOREG DC MASTER
6RA70??-4??62*…	SIMOREG DC MASTER
6RA7000-0MV62*…	SIMOREG DC MASTER CONTROL MODULE
6RA70??-6FC00*…	SIMOREG DC MASTER CONVERTER COMMUTATION PROTECTOR
6RA70??-6KC00*…	SIMOREG DC MASTER CONVERTER COMMUTATION PROTECTOR
6RL70??*…	SIMOREG uncontrolled Rectifier
6RA80??-6??22*…	SINAMICS DC MASTER
6RA80??-6??62*…	SINAMICS DC MASTER
6RA80??-4??22*…	SINAMICS DC MASTER
6RA80??-4??62*…	SINAMICS DC MASTER
6RA8000-0MV62*…	SINAMICS DCM Control Module
6SE70??-?????-?A??*…	Masterdrives Rectifier
6SE70??-?????-?B??*…	Masterdrives Rectifier
6SE70??-?????-5JA0*…	Over Current Protector
7VV3002*…	SICROWBAR AC
7VV3003*…	SICROWBAR DC
6RP????*…	SINAMICS DCP
6SE0100*…	SINAMICS G180 compact unit
Dynavert L	Dynavert L (Elevator converter)

Liquid-cooled:

6SL3315-1TE*…	SINAMICS S120/S150 Chassis Power Modules [210A-490A] LC
6SL3325-1T[E|G]*…	SINAMICS S120 Motor Module

SIEMENS

6SL3335-1T[E|G]*… SINAMICS S120 Basic Line Modul
6SL3335-7T[E|G]*… SINAMICS S120 Active Line Module

Frequency Converter 	Hazardous Substances					
	Lead (Pb)	Mercury (HG)	Cadmium (Cd)	Hexavalent Chromium (Cr (VI))	Polybrominated biphenyls (PBB)	Polybrominated diphenyl ethers (PBDE)
Housing	X	O	O	O	O	O
Power Board (PCB) (incl. power semiconductors; capacitors; resistors; etc.)	X	O	O	O	O	O
Control PCB	X	O	O	O	O	O
Heatsink	X	O	O	O	O	O
Filter / Inductor / Choke	X	O	O	O	O	O
Transformer	X	O	O	O	O	O
Electric contactor	X	O	X	O	O	O
Cable	O	O	O	O	O	O
Fan	X	O	O	O	O	O
Busbar	X	O	O	O	O	O
Connectors	X	O	O	O	O	O
Fuses	X	O	O	O	O	O
Operator Panel	X	X	O	O	O	O
In case of						
Braking Resistor	X	O	O	O	O	O
In case of						
Cooling system liquid cooled	X	O	O	O	O	O
Housing liquid cooled	X	O	O	X	O	O

SIEMENS

Cabinets:

6SL3700-0L[E|G]*	SINAMICS S120 Line Connection Modules
6SL3700-0MX*	SINAMICS S120 Auxiliary Power Supply Module
6SL3700-1A[E|F|H]*	SINAMICS S120 Central Braking Modules
6SL3705-0R[E|G]*	SINAMICS S120 Heat Exchanger Modules
6SL3710-1G[E|F|H]*	SINAMICS G150
6SL3710-1PE3*	SINAMICS G120P
6SL3710-2G[E|F|H]*	SINAMICS G150
6SL3710-7L[E|G]*	SINAMICS S150
6SL3720-1T[E|G|X]*	SINAMICS S120 Booksize Cabinets Kit
6SL3720-1T[E|G]*	SINAMICS S120 Motor Modules
6SL3725-1T[E|G]*	SINAMICS S120 Motor Modules
6SL3730-1T[E|G|H]*	SINAMICS S120 Line Modules
6SL3730-6T[E|G]*	SINAMICS S120 Line Modules
6SL3730-7T[E|G]*	SINAMICS S120 Line Modules
6SL3735-1T[E|G]*	SINAMICS S120 Basic Line Connection Modules
6SL3735-7T[E|G]*	SINAMICS S120 Active Line Connection Modules
6RV30??*	THYRIPOL
6RV80??*	THYRIPOL
6RG80??*	THYRISIEM
6RM80??*	SINAMICS DCM Cabinet
6SE0140*…	SINAMICS G180 cabinet systems
6SE0180*…	SINAMICS G180 cabinet unit AC
6SE0170*…	SINAMICS G180 cabinet unit LC
6SL3725-1T*…	S120 marine drive
6SL3710-1BD*…	SINAMICS V50 Cabinet
Dynavert R	Dynavert R (Solar converter)
Dynavert I	Dynavert I (Current-source DC link converter)
6SL3961*…	Control Module SINAMICS SL150
6SL3951*…	Control Module SINANICS GL150
6SL3941*…	Control Module Retrofit SIMOVERT ML
6SL3871-5AA00 / 6SL3825*	Control Module SINAMICS SM120 CM / SINAMICS GH150
6RN701*…	SINAMICS SE Excitation units (SIMOREG DC-Master)
6RN801*…	SINAMICS SE Excitation units (SINAMICS DCM)
6RN703*…	SINAMICS RG Excitation units (SIMOTRAS HD)

SIEMENS

Cabinets 	Hazardous Substances					
	Lead (Pb)	Mercury (HG)	Cadmium (Cd)	Hexavalent Chromium (Cr (VI))	Polybrominated biphenyls (PBB)	Polybrominated diphenyl ethers (PBDE)
Cabinet	O	O	O	O	O	O
Chassis	X	O	X	O	O	O
Control PCBs/Units	X	O	O	O	O	O
Transformers	X	O	O	O	O	O
Power Components/ Modules	X	O	O	O	O	O
Snubber capacitors	X	O	O	O	O	O
Snubber resistors	X	O	O	O	O	O
Filter / Inductor / Choke	X	O	O	O	O	O
Electric contactors	X	O	X	O	O	O
Electrical parts	X	O	O	O	O	O
Cable	O	O	O	O	O	O
Fans	X	O	O	O	O	O
Busbars	X	O	O	O	O	O
Mechanical Parts (Metal)	O	O	O	O	O	O
Mechanical Parts (Non-Metal)	O	O	O	O	O	O
Fuses	X	O	O	O	O	O
Switches	X	O	O	O	O	O
Capacitors	X	O	O	O	O	O
Power Supply Unit	X	O	O	O	O	O
Operator Panel	X	X	O	O	O	O
Connectors	X	O	O	O	O	O
Connecting elements for final assembly / Connection Componentes for final assembling	X	O	O	X	O	O
In case of						
Chassis liquid cooled	X	O	X	X	O	O

SIEMENS

Motor integrated frequency converter:

1UA1*…	Combimaster 411
1UA2*…	Combimaster 411 "ECOFAST"
1UA7*…	Combimaster 2
6SE96[1|2]*…	Micromaster Integrated (MMI)
6SN21*…	SIMODRIVE POSMO [A|C|SI]
6SL3532*…	SINAMICS S120M Power Module AH36
6SL3540*…	SINAMICS S120M Power Module AH48
6SL3542*…	SINAMICS S120M Power Module AH48
6SL3562-6D?71*…	SINAMICS S120M Power Module AH63
6SL3563-6D?71*…	SINAMICS S120M Power Module AH63

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SIEMENS

Motor integrated frequency converter 	Hazardous Substances					
	Lead (Pb)	Mercury (HG)	Cadmium (Cd)	Hexavalent Chromium (Cr (VI))	Polybrominated biphenyls (PBB)	Polybrominated diphenyl ethers (PBDE)
Housing / Enclosure / primary section	X	O	O	X	O	O
Power Board (PCB)	X	O	O	O	O	O
Control PCB	X	O	O	O	O	O
Heatsink	X	O	O	O	O	O
Filter / Inductor / Choke	X	O	O	O	O	O
Electric contactor	X	O	X	O	O	O
Cable	O	O	O	O	O	O
Fan / Fan	X	O	O	O	O	O
Busbar	X	O	O	O	O	O
Bearing shield DE /Endshield AS	O	O	O	O	O	O
Bearing shield NDE /Endshield BS	O	O	O	O	O	O
Enclosure flange DE / NDE	O	O	O	O	O	O
Rotor / secondary section	O	O	O	O	O	O
Connection system / Terminal Box and Connectors	X	O	O	X	O	O
Encoder / Encoder	X	O	O	O	O	O
Brake / Brake	X	O	O	O	O	O
Connecting elements for final assembly / Connection Componentes for final assembling	O	O	O	X	O	O

SIEMENS

Gear:

2KJ1*…	MOTOX Gear box
2KJ1*…	MOTOX Geared Motor (Motors 1LA7/9…, 1LG4/6…)
2KJ3*…	SIMOGEAR Gear box
2KJ3*…	SIMOGEAR Geared Motor (Motors 1LE1…, 1LA7…)
2KJ[4|5]*…	SIMOGEAR Geared Motor [LEN|SE]

Gearbox 	**Hazardous Substances**					
	Lead (Pb)	Mercury (HG)	Cadmium (Cd)	Hexavalent Chromium (Cr (VI))	Polybrominated biphenyls (PBB)	Polybrominated diphenyl ethers (PBDE)
Housing / Housing Flanges /Flange	O	O	O	O	O	O
Steel parts / Steel parts (shaft/gearing/bearings) (Shaft/ Gear/Bearing)	O	O	O	O	O	O
Lubrication / Lubrication (Oils/greases/Oils/grease)	O	O	O	O	O	O
Seals / Seals	O	O	O	O	O	O
Fastening elements Connecting elements (screws/fittings, screws/armatures)	O	O	O	X	O	O

SIEMENS

Control Unit:

6SN1118*…	SIMODRIVE 611 Control Unit
6SN1114*…	SIMODRIVE 611 Control Unit Equipment
6SE7090-0XX84-0[A|B]*…	MASTERDRIVES Control Unit
6SE6401-1[A|D|E|R|P]*…	MICROMASTER Equipment
6SE9996-0XA*…	MICROMASTER [INTEGRATED] Equipment
6AU1230*...	SIMOTION C230-2
6AU1240*...	SIMOITON C240/C240PN
6AU1410-0*…	SIMOTION D410
– 6AU1425-0*…	SIMOTION D425
6AU1435-0*…	SIMOTION D435
6AU1445-0*…	SIMOTION D445, D445-1
6SL3040-0NA00*…	SIMOTION D, Controller Extension CX32
6AU1410-2*…	SIMOTION D410-2
6AU1425-2*…	SIMOTION D425-2
6AU1435-2*…	SIMOTION D435-2
6AU1445-2*…	SIMOTION D445-2
6AU1455-2*…	SIMOTION D455-2
6AU1432-2*…	SIMOTION D, Controller Extension CX32-2
6AU1390*…	SIMOTION P Communication Boards
6ES735*…	FM353,FM354, FM357, FM357-2
6AU1510*...	SIMOTION E510, SIMOTION E510 CIO 2.0
6AU1101*…	SIMOTION TMC
6AU1102*…	SIMOTION TMC
6FC5312-0FA00*…	SIMOTION CBE30[-2]
6FC5410-0A*	SINUMERIK 810D CCU[0|1|2|3|3.4| Box 1*50A+2*15A| Box 2*25A]
6FC5356-0B*…	SINUMERIK 840D powerline NCU [561|571|572|573]
6FC5357-0BH0*…	SINUMERIK FM NCU 570
6FC5371-0AA[1|3]*…	SINUMERIK 840D solutionline NCU 710
6FC5372-0AA[0|3]*…	SINUMERIK 840D solutionline NCU 720
6FC5373-0AA[0|3]*…	SINUMERIK 840D solutionline NCU 730
6FC5348-0AA0*...	Fan module for NCU7xx
6FC5247-0AA18-0AA0	Battery for MMC, NCU, CCU, D4X5-X, MCI
6SL3040-[0|1]NC00*…	SINUMERIK 840D solutionline NX10
6SL3040-[0|1]NB00*…	SINUMERIK 840D solutionline NX15
6SL3040-0MA0*…	SINAMICS S120 Booksize CU320
6SL3040-1MA0*…	SINAMICS S120 Booksize CU320-2
6SL3055-0AA00-2TA*…	SINAMICS S120 Booksize Terminal Board TB30
6SL3055-0AA00-3*…	SINAMICS S120 Booksize Terminal Module TM[15|17|31|41|54F|120|150]

SIEMENS

6SL3243-0BA*…	SINAMICS G120 Control Unit 230P-2
6SL3243-[0|6]BB*…	SINAMICS G120 Control Unit 230P-2
6SL3244-0*…	SINAMICS G120 Control Unit 240[B-2| E/E-2|S|M]
6SL3544-0FA*…	SINAMICS [G110M|G120D] Control Unit 240[M|D]
6SL354[4|6]-0FB*…	SINAMICS G120D Control Unit 240D-2
6SL3255-0BT01-0PA0	SINAMICS G120 CHEMIEMODUL CM240NE
6SL3246-0BA2*…	SINAMICS G120 Control Unit 250S
6SL3055-0AA00-5[A|B|C|D]A*…	SINAMICS S120 Booksize Sensor Module SMC[10|20|30|40]
6SL3055-0AA00-5[E|H|J|K]A*…	SINAMICS S120 Booksize Sensor Module SME[20|25|120|125]
6SL3055-0AA00-2CA*…	SINAMICS S120 Booksize Communication Board CBC10
6SL3055-0AA00-2EB*…	SINAMICS S120 Booksize Communication Board CBE20
6SL3053-0AA00-3AA*…	SINAMICS S120 Booksize Voltage Sensing Module VSM10
6SL3055-0AA00-6AA*…	SINAMICS S120 Booksize DRIVE-CLiQ Module DMC
6SL3055-0AA00-6AB*…	SINAMICS S120 Booksize DRIVE-CLiQ Module DME
6SL3040-0PA00*…	SINAMICS S120 Blocksize CUA31
6SL3040-0PA01*…	SINAMICS S120 Blocksize CUA32
6SL3040-0JA0*…	SINAMICS S120 Blocksize CU305
6SL3040-0LA00-0AA*…	SINAMICS S120 Blocksize CU310 DP
6SL3040-1LA00-0AA*…	SINAMICS S120 Blocksize CU310-2 DP
6SL3040-0LA01-0AA*…	SINAMICS S120 Blocksize CU310 PN
6SL3040-1LA01-0AA*…	SINAMICS S120 Blocksize CU310-2 PN
6SL3420-2HX*…	SINAMICS S120 HLA
6FC5222-0AA0*…	MCIx-Board
6SL3054-4AG00*…	SINAMICS Memory Card
6SL3254-0AM00*…	SINAMICS G120 MMC Card
6FC5851-1*…	SINUMERIK Memory Card

SIEMENS

Control Unit 	Hazardous Substances					
	Lead (Pb)	Mercury (HG)	Cadmium (Cd)	Hexavalent Chromium (Cr (VI))	Polybrominated biphenyls (PBB)	Polybrominated diphenyl ethers (PBDE)
Housing	X	O	O	O	O	O
Control PCB	X	O	O	O	O	O
Heatsink	X	O	O	O	O	O
Fan	X	O	O	O	O	O
Connectors	X	O	O	O	O	O
In case of						
Battery	O	O	O	O	O	O
In case of * 						
Memory Card	X	O	O	O	O	O

* The general Environmental Protection Use Period of 50 years is fulfilled if the components are replaced after its specific Environmental Protection Use Period.

SIEMENS

Filter:

6SE6400-2F*… MICROMASTER 4 EMC Filter
6SE6400-3TD*… MICROMASTER 4 OUTPUT LC Filter

6SL3000-0[B|J]*… SINAMICS S120/S150 Chassis Filter
6SL3000-2[C|D]*… SINAMICS S120/S150 Chassis Filter

6SL3300-7T[E|H|G]*… SINAMICS S120/S150 Chassis Active Interface Module

6SL3760*… SINAMICS G120P CABINET OPTION

6SL3100-0BE*… SINAMICS S120 Booksize AIM
6SL3000-0HE*… SINAMICS S120 Booksize Filter Module

– 6SL3100-1VE*… SINAMICS S120 Booksize Voltage Clamping Module

Filter Module	**Hazardous Substances**					
	Lead (Pb)	Mercury (HG)	Cadmium (Cd)	Hexavalent Chromium (Cr (VI))	Polybrominated biphenyls (PBB)	Polybrominated diphenyl ethers (PBDE)
Housing	X	O	O	O	O	O
Power PCB	X	O	O	O	O	O
Filter / Inductor / Choke	X	O	O	O	O	O
Cable	O	O	O	O	O	O
Capacitor	O	O	O	O	O	O
Busbar	X	O	O	O	O	O
Fan	X	O	O	O	O	O
Connectors	X	O	O	O	O	O

SIEMENS

Choke:

6SL3000-2*… SINAMICS Motor Choke

6SL3000-0CE[3|4]*… SINAMICS S120/S150 Chassis Choke

6SL3000-0CE* SINAMICS S120 Booksize Line Choke

6SL3000-0CH*… SINAMICS S120/S150 Chassis Choke
6SL3000-0E*… SINAMICS S120/S150 Chassis Choke
6SL3000-2A*… SINAMICS S120/S150 Chassis Choke
6SL3000-2BE*… SINAMICS S120/S150 Chassis Choke

6SL3203-0CE*… SINAMICS G120 Choke
6SE6400-3CC*… SINAMICS G120 Choke
– 6SL3000-0CE3*… SINAMICS G120 Choke

6SL3100-0EE2*… SINAMICS S120 Combi Choke

6SE6400-3TC*… MICROMASTER 4 Choke

Choke	**Hazardous Substances**					
	Lead (Pb)	Mercury (HG)	Cadmium (Cd)	Hexavalent Chromium (Cr (VI))	Polybrominated biphenyls (PBB)	Polybrominated diphenyl ethers (PBDE)
Filter / Inductor / Choke	X	O	O	O	O	O
Connectors	X	O	O	O	O	O
PCB	X	O	O	O	O	O

SIEMENS

Operator Components / Panel:

6SE3290-0XX87-8BF0	Operator panel OPM2 für MMI/ CM2
6SE6400*…	MICROMASTER 4 Operator Panel and Options
6AU1300-0?[A|B]*…	SIMOTION P - Panel
6FC5203-0AB0*…	SINUMERIK Operator Components OP 030
6FC5203-0AB[1|5]*…	SINUMERIK Operator Components OP 031
6FC5203-0A[B2|C|D]*…	SINUMERIK Operator Components OP 032S
6FC5203-0AF04-1B*…	SINUMERIK Operator Components OP 08T
6FC5203-0AF00*…	SINUMERIK Operator Components OP 010
6FC5203-0AF01*…	SINUMERIK Operator Components OP 010C
6FC5203-0AF04-0*…	SINUMERIK Operator Components OP 10S
– 6FC5248-0AF00*…	SINUMERIK Operator Components OP 010
6FC5203-0AF10*…	SINUMERIK Operator Components OP 010FS
6FC5203-0AF02*…	SINUMERIK Operator Components OP 012
6FC5248-0AF02*…	SINUMERIK Operator Components OP 012
6FC5203-0AF52-0*…	SINUMERIK Operator Components OP 12,1 Trumpf
6FC5203-0AF03*…	SINUMERIK Operator Components OP 015
6FC5203-0AF05-0*…	SINUMERIK Operator Components OP 015A
6FC5203-0AF05-1*…	SINUMERIK Operator Components OP 015AT
6FC5203-0AF08-0*…	SINUMERIK Operator Components TP 015A
6FC5203-0AF08-1*…	SINUMERIK Operator Components TP 015AT
6FC5203-0AF53-1*…	SINUMERIK Operator Components TP 015AT Fryer
6FC5203-0AF50-[0|1|2|5|6]*…	SINUMERIK Operator Components OP 015 DMG
6FC5303-0AF14*…	SINUMERIK Operator Components OP 015 black
6FC5303-0AF17*…	SINUMERIK Operator Components OP 019 black
6FC5248-0AF03*…	SINUMERIK Operator Components OP 015
6FC5303-0AF50-0*…	SINUMERIK Operator Components OP 019 ERGOline
6FC5303-0AF13*…	SINUMERIK Operator Components OP 019 TFT
6FC5203-0AF07*…	SINUMERIK Operator Components TP 012
6FC5203-0AF52-[1/2/3]*	SINUMERIK Operator Components MCP 19" TRUMPF
6FC5203-0AF23*	SINUMERIK Operator Components MCP 310 MPI
6FC5303-0AF23*	SINUMERIK Operator Components MCP 310 PN
6FC5203-0AF50-3A*	SINUMERIK Operator Components MCP 416C-M
6FC5203-0AF50-4A*	SINUMERIK Operator Components MCP 416C-T
6FC5203-0AF50-3C*	SINUMERIK Operator Components MCP 434C-M
6FC5203-0AF50-4C*	SINUMERIK Operator Components MCP 434C-T
6FC5303-0AF50-3C*	SINUMERIK Operator Components MCP 434C-M
6FC5303-0AF50-3D*	SINUMERIK Operator Components MCP 434C-M
6FC5303-0AF50-4C*	SINUMERIK Operator Components MCP 434C-T
6FC5303-0AF50-4D*	SINUMERIK Operator Components MCP 434C-T
6FC5303-0AF50-3A*	SINUMERIK Operator Components MCP 416C-M IE
6FC5303-0AF50-4A*	SINUMERIK Operator Components MCP 416C-T IE
6FC5303-0AF50-3B*	SINUMERIK Operator Components MCP 429C-M IE
6FC5303-0AF50-4B*	SINUMERIK Operator Components MCP 429C-T IE
6FC5203-0AF22*	SINUMERIK Operator Components MCP 483 MPI
6FC5203-0AF52-4*	SINUMERIK Operator Components MCP 483T-L3
6FC5303-0AF22*	SINUMERIK Operator Components MCP 483
6FC5303-0AF03*	SINUMERIK Operator Components MCP INTERFACE PN
6FC5303-0AF33*	SINUMERIK Operator Components MCP 310 USB
6FC5303-0AF32*	SINUMERIK Operator Components MCP 483 USB
6FC5203-0AD10-0*	SINUMERIK Operator Components MSTT
6FC5203-0AF52-1*	SINUMERIK Operator Components MSTT

SIEMENS

6FC5203-0AD2*…	SINUMERIK Operator Components PP031
6FC5203-0AF24*…	SINUMERIK Operator Components PP031
6FC5203-0AF2*…	SINUMERIK Operator Components PP012
6FC5203-0AD28-5A*…	SINUMERIK Operator Components PP012
6FC5303-1AF0*…	SINUMERIK Operator Components MPP 483
6FC5303-1AF1*…	SINUMERIK Operator Components MPP 483 IE
6FC5303-1AF2*…	SINUMERIK Operator Components MPP 310
6FC5312-0DA00*…	SINUMERIK Operator Components TCU
6FC5370-0AA00-?A*…	SINUMERIK 802Dsl PCU T/M
6FC5370-0AA00-?B*…	SINUMERIK 802Dsl PCU G/N
6FC5370-0AA00-?C*…	SINUMERIK 802Dsl PCU C/U
6FC5303-0AF30*…	SINUMERIK 802Dsl MCP
6FC5303-0DM*…	SINUMERIK 802Dsl Keyboard
6FC5303-0DT*…	SINUMERIK 802Dsl Keyboard
6FC5312-0DA01*…	SINUMERIK 802Dsl Schnittstellenbaugruppe analog
6FC5370-1AM*…	SINUMERIK 808D PPU 141.1 M
6FC5370-1AT*…	SINUMERIK 808D PPU 141.1 T
6FC5370-2AM*…	SINUMERIK 808D PPU 161.2 M
6FC5370-2AT*…	SINUMERIK 808D PPU 161.2 T
6FC5370-2BM*…	SINUMERIK 808D PPU 160.2 M
6FC5370-2BT*…	SINUMERIK 808D PPU 160.2 T
6FC5303-0AF35-0*…	SINUMERIK 808D MCP horizontal
6FC5303-0AF35-2*…	SINUMERIK 808D MCP vertical
6FC5303-0AF35-3*…	SINUMERIK 808D MCP vertical
6FC5370-5AA0*…	SINUMERIK 828D PPU 261.1 horizontal
6FC5370-6AA0*…	SINUMERIK 828D PPU 260.1 vertikal
6FC5370-7AA0*…	SINUMERIK 828D PPU 281.1 horizontal
6FC5370-8AA0*…	SINUMERIK 828D PPU 280.1 vertikal
6FC5370-5AA2*…	SINUMERIK 828D PPU 261.2 horizontal
6FC5370-6AA2*…	SINUMERIK 828D PPU 260.2 vertikal
6FC5370-7AA2*…	SINUMERIK 828D PPU 281.2 horizontal
6FC5370-8AA2*…	SINUMERIK 828D PPU 280.2 vertikal
6FC5370-3AM*…	SINUMERIK 828D PPU 241.2 BASIC M horizontal
6FC5370-4AM*…	SINUMERIK 828D PPU 240.2 BASIC M vertical
6FC5370-3AT*…	SINUMERIK 828D PPU 241.2 BASIC T horizontal
6FC5370-4AT*…	SINUMERIK 828D PPU 240.2 BASIC T vertical
6FC5370-5AA30-0AA*…	SINUMERIK 828D PPU 261.3 horizontal
6FC5370-6AA30-0AA*…	SINUMERIK 828D PPU 260.3 vertikal
6FC5370-7AA30-0AA*…	SINUMERIK 828D PPU 281.3 horizontal
6FC5370-8AA30-0AA*…	SINUMERIK 828D PPU 280.3 vertikal
6FC5370-3AA3*…	SINUMERIK 828D PPU 241.3 BASIC horizontal
6FC5370-4AA3*…	SINUMERIK 828D PPU 240.3 BASIC vertical
6FC5370-5AA30-0WA*…	SINUMERIK 828D PPU 261.3 iTROL
6FC5370-6AA30-0WA*…	SINUMERIK 828D PPU 260.3 iTROL
6FC5370-7AA30-0WA*…	SINUMERIK 828D PPU 281.3 iTROL
6FC5370-8AA30-0WA*…	SINUMERIK 828D PPU 280.3 iTROL
6FC5370-8AA30-0BA*…	SINUMERIK 828D PPU290.3 vertical
6SL3054*…	SINAMICS G120 Options
6SL3055-0AA00-4*…	SINAMICS S120 Booksize Options

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6SL32[5|6]*… SINAMICS G110/G120 Options
6SL320*… SINAMICS G120 Options
6SL35[5|6]*… SINAMICS G110D/G110M Options

Operator Components / Panel 	Hazardous Substances					
	Lead (Pb)	Mercury (HG)	Cadmium (Cd)	Hexavalent Chromium (Cr (VI))	Polybrominated biphenyls (PBB)	Polybrominated diphenyl ethers (PBDE)
Housing	X	O	O	O	O	O
Control PCB	X	O	O	O	O	O
Keyboard	X	O	O	O	O	O
Fan	X	O	O	O	O	O
Cable	O	O	O	O	O	O
Connectors	X	O	O	O	O	O
In case of						
Battery	O	O	O	O	O	O
In case of * 						
Display	X	X	O	O	O	O

* The general Environmental Protection Use Period of 50 years is fulfilled if the components are replaced after its specific Environmental Protection Use Period.

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Box PC:

6AU1320*…	SIMOTION P320-3/P320-4 [Equipment]
6AU1350-2AH*…	SIMOTION P350-2 Box V2 [Equipment]
6AU1350-3AK*…	SIMOTION P350-3 Box V3 [Equipment]
6FC5210-0DA0?-?AA*…	SINUMERIK Operator Components MMC 100.2
6FC5210-0DA10*…	SINUMERIK Operator Components MMC 101
6FC5210-0DA2?-0*…	SINUMERIK Operator Components MMC 102
6FC5210-0DA2?-1*…	SINUMERIK Operator Components MMC 103
6FC5210-0DA2?-2*…	SINUMERIK Operator Components MMC 103
6FC5210-0DB2*…	SINUMERIK Operator Components MMC 103
6FC5210-0DF00*…	SINUMERIK Operator Components PCU 20
6FC5210-0DF0*…	SINUMERIK Operator Components PCU 50
– 6FC5210-0DF2*…	SINUMERIK Operator Components PCU 50
6FC5220-0AA*…	SINUMERIK Operator Components PCU 50.x with MCIx
6FC5210-0DF3*…	SINUMERIK Operator Components PCU 50.3
6FC5210-0DF5*…	SINUMERIK Operator Components PCU 50.5
6FC5210-0DF24*…	SINUMERIK Operator Components PCU 70

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Box PC 	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Chromium VI Compounds (CrVI)	Polybrominated Biphenyls (PBB)	Polybrominated Diphenyl Ethers (PBDE)
Mechanical Assembly (plastic parts)	O	O	O	O	O	O
Mechanical Assembly (metal parts)	O	O	O	O	O	O
Assembled printed circuit board (APCB)	X	O	O	O	O	O
Heatsink	X	O	O	O	O	O
Fan	X	O	O	O	O	O
In case of						
– Battery	O	O	O	O	O	O
 **In case of ***						
SSD / HDD	X	O	O	O	O	O
 **In case of ***						
LC-Display (only Panel PC and Field PG)	X	O	O	O	O	O
 **In case of ***						
ODD	X	O	O	O	O	O
 **In case of ***						
Power Supply	X	O	O	O	O	O
 **In case of ***						
Network Card	X	O	O	O	O	O

* The general Environmental Protection Use Period of 50 years is fulfilled if the components are replaced after its specific Environmental Protection Use Period.

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Signal and Power Cable:

6FX1002*…	MOTION-CONNECT Signal, Power Cable
6FX14*…	MOTION-CONNECT Signal Cable
6FX200[2|8]…	MOTION-CONNECT Signal, DRIVE-CLiQ Cable
6FX3002*…	MOTION-CONNECT Signal, Power Cable
6FX50[0|1|2|4][2|8]*…	MOTION-CONNECT Signal, Power, DRIVE-CLiQ Cable
6FX6002*…	MOTION-CONNECT Signal, Power Cable
6FX700[2|8]*…	MOTION-CONNECT Signal, Power Cable
6FX800[0|1|2|4][2|8]*…	MOTION-CONNECT Signal, Power, DRIVE-CLiQ Cable
6FX2003*…	MOTION-CONNECT Connectors and Cable Accessories
6SL3060-4A*...	SINAMICS DRIVE-CLiQ Cable
6SL3066*...	SINAMICS Connector and Cable Accessories
– 6SL3162*...	SINAMICS Connector and Cable Accessories
6SL3255-0AA00-2*…	SINAMICS Connector and Cable Accessories
6SL3260-4NA00-1VA*…	SINAMICS V90 Setpoint cable With Terminal Block
6SL3260-4NA00-1VB*…	SINAMICS V90 Setpoint cable Without Terminal Block
6SL3555-0AA*…	SINAMICS S120M DRIVE-CLiQ-Extension
6SL3555-2DA*…	SINAMICS S120M Hybrid Cabinet Bushing
6SL3555-0PA00-2AA0	SINAMICS G120D USB INTERFACE CABLE
6FM1[4|5|7]90*…	MOTION-CONNECT Connector and Cable Accessories
6FC5548-0BA20*…	SINUMERIK 808D Bus Cable
6FC5548-0BA00*…	SINUMERIK 808D Setpoint Cable
6FC5548-0BA05*…	SINUMERIK 808D Analog Setpoint Cable
6FC934[0|1|4|8]*…	MOTION-CONNECT Connector and Cable Accessories
6SE640[0|1]*…	Connector and Cable Accessories
6SE9996-0XA31	Connector and Cable Accessories
6XV18[2|3|7]*…	G120D / G110M Cables
6SX7002*...	MOTION-CONNECT Connector and Cables
6SX7003*...	MOTION-CONNECT Connector and Cables

Signal and Power Cable	**Hazardous Substances**					
	Lead (Pb)	Mercury (HG)	Cadmium (Cd)	Hexavalent Chromium (Cr (VI))	Polybrominated biphenyls (PBB)	Polybrominated diphenyl ethers (PBDE)
Connector	X	O	O	O	O	O
Cable	O	O	O	O	O	O
In case of						
Fibre optic cable	O	O	O	O	O	O

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Power Supply Unit:

6SL3100-1DE*… SINAMICS S120 Booksize Control Supply Module

6SL3555-2BC*… SINAMICS S120M Adapter Module AM600

Power Supply Unit 	Hazardous Substances					
	Lead (Pb)	Mercury (HG)	Cadmium (Cd)	Hexavalent Chromium (Cr (VI))	Polybrominated biphenyls (PBB)	Polybrominated diphenyl ethers (PBDE)
Housing	X	O	O	O	O	O
Power Board (PCB)	X	O	O	O	O	O
Heatsink	X	O	O	O	O	O
Fan	X	O	O	O	O	O
Filter / Inductor / Choke	X	O	O	O	O	O
Connectors	X	O	O	O	O	O
Capacitors	O	O	O	O	O	O

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Hand-Held Device:

6FC5403-0AA00*… SINUMERIK Operator Components PHG
6FC5303-0AA0*… SINUMERIK Operator Components HT2
6FC5403-0AA10*… SINUMERIK Operator Components HT6
6FC5403-0AA20*… SINUMERIK Operator Components HT8

6SL3255-0AA00-4HA0 SINAMICS G120/G120D IOP HANDHELD

Hand-Held Device 	**Hazardous Substances**					
	Lead (Pb)	Mercury (HG)	Cadmium (Cd)	Hexavalent Chromium (Cr (VI))	Polybrominated biphenyls (PBB)	Polybrominated diphenyl ethers (PBDE)
Housing	O	O	O	O	O	O
Control PCB	X	O	O	O	O	O
Keyboard	X	O	O	O	O	O
Connectors	X	O	O	O	O	O
In case of * 						
Display / LCD	X	O	O	O	O	O

* The general Environmental Protection Use Period of 50 years is fulfilled if the components are replaced after its specific Environmental Protection Use Period.

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Braking Resistor / Module:

6SE70??-??[B|S]87-2DA1…	Masterdrives Compact Breaking Modules
6SL3000-1B[E|F|H]*…	SINAMICS S120 [Chassis|Cabinet] Braking Resistor
6SE7032-5FS	SINAMICS/ SIMOVERT MASTERDRIVES Braking Resistor
6SL3[1|3|4]00-1AE3*…	SINAMICS S120 Booksize Braking Modules 400V
6SL3300-1A[F|H]3*…	SINAMICS S120 Booksize Braking Modules 500V
6SE6400-4B*…	MICROMASTER 4 Braking Resistor
6SE9996-0XA11	MICROMASTER INTEGRATED OPTION RESISTOR BRAKING UNIT

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Braking Resistor / Module	**Hazardous Substances**					
	Lead (Pb)	Mercury (HG)	Cadmium (Cd)	Hexavalent Chromium (Cr (VI))	Polybrominated biphenyls (PBB)	Polybrominated diphenyl ethers (PBDE)
Resistor	X	O	O	O	O	O
Connectors	X	O	O	O	O	O
Housing	X	O	O	O	O	O
Electric Contactor	X	O	X	O	O	O
Cable	O	O	O	O	O	O

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Capacitor Module:

6SL3100-1CE14*… SINAMICS S120 Booksize Capacitor Module

Capacitor Module 	Hazardous Substances					
	Lead (Pb)	Mercury (HG)	Cadmium (Cd)	Hexavalent Chromium (Cr (VI))	Polybrominated biphenyls (PBB)	Polybrominated diphenyl ethers (PBDE)
Power PCB	X	O	O	O	O	O
Connectors	X	O	O	O	O	O
Housing	X	O	O	O	O	O

Disclaimer of Liability

We have reviewed the contents of this publication to ensure consistency with the hardware and software described. Since variance cannot be precluded entirely, we cannot guarantee full consistency. However, the information in this publication is reviewed regularly and any necessary corrections are included in subsequent editions.

SIEMENS

EU-Konformitätserklärung

EU-Declaration of Conformity

Nr. / No. 664.ENRo.BI.02.1708.008

Hersteller: *Manufacturer:*	Siemens AG, DF MC
Anschrift: *Address:*	Frauenauracher Straße 80 91056 Erlangen Deutschland / Germany
Produktfamilie: *Product family:*	**SINAMICS V20**

Die bezeichnete Produktfamilie stimmt in der von uns in Verkehr gebrachten Ausführung mit den Vorschriften folgender Europäischer Richtlinien überein:
The indicated product family as put into circulation by us is in conformance to the regulations of the following European Directives:

2014/30/EU *2014/30/EU*	**EMV-Richtlinie** *EMC Directive* Weitere Angaben über die Einhaltung dieser Richtlinie enthält Anhang EMV. *More details regarding adherence to this Directive is provided in Appendix EMC.*
2014/53/EU *2014/53/EU*	**RED-Richtlinie** *RED Directive* Weitere Angaben über die Einhaltung dieser Richtlinie enthält Anhang RED. *More details concerning adherence to this Directive is provided in Appendix RED.*
2014/35/EU *2014/35/EU*	**Niederspannungs-Richtlinie** *Low Voltage Directive* Weitere Angaben über die Einhaltung dieser Richtlinie enthält Anhang NSR. *More details regarding adherence to this Directive is provided in Appendix LVD.*
2011/65/EU *2011/65/EU*	**RoHS-Richtlinie** *RoHS Directive* Weitere Angaben über die Einhaltung dieser Richtlinie enthält Anhang RoHS. *More details regarding adherence to this Directive is provided in Appendix RoHS.*

Die alleinige Verantwortung für die Ausstellung dieser Konformitätserklärung trägt der Hersteller.
This declaration of conformity is issued under the sole responsibility of the manufacturer.

Erlangen, 17-08-28

G. Bock

i.V. .....
Vice President Technology, Test, Infrastructure & Process
Name, function, signature

G. Stumpf

i.V. .....
Head of Quality Management, Products & Projects
Name, function, signature

Die Anhänge MSR, EMV, NSR und RoHS sind Bestandteil dieser Erklärung. Diese Erklärung bescheinigt die Übereinstimmung mit den genannten Richtlinien, ist jedoch keine Zusicherung von Eigenschaften im Sinne des Produkthaftungsgesetzes. Die Sicherheitshinweise der Produktdokumentation sind zu beachten.
Appendices MD, EMC, LVD and RoHS are part of this declaration. While this declaration indicates conformance with the European Directives listed; it does not imply a guarantee with respect to the product liability laws. The safety notes of the product documentation must be observed.

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Anhang EMV
Appendix EMC

zur EU-Konformitätserklärung
to EU-Declaration of Conformity

Nr. / No. 664.ENRo.BI.02.1708.008

Produktfamilie: **SINAMICS V20**
Product family:

Die Übereinstimmung der bezeichneten Produkte mit den Vorschriften der Richtlinie 2014/30/EU wird nachgewiesen durch die vollständige Einhaltung folgender Normen.
Conformity of the products designated below with the regulations of Directive 2014/30/EU is verified by adherence to the following standards.

Harmonisierte Europäische Normen:
Harmonized European Standards:

Referenznummer *Reference number*	Ausgabedatum *Edition*
EN 61800-3	**2004+A1:2012**

Die Produktfamilie, für die die CE-Kennzeichnung bzgl. 2014/30/EU gilt, besteht aus folgenden Komponenten:
The product family to which the CE marking applies with respect to 2014/30/EU consists of the following components:

Bezeichnung *Denomination*	**Bestell-Nr.** *Order No.*	**Beschreibung** *Description*
V20 FSA 230V 1AC 0.12KW	6SL3210-5BB11-2AV0	CONVERTER
V20 FSAA 230V 1AC 0.12kW	6SL3210-5BB11-2BV1	CONVERTER
V20 FSA 230V 1AC 0.12KW	6SL3210-5BB11-2UV0	CONVERTER
V20 FSAA 230V 1AC 0.12kW	6SL3210-5BB11-2UV1	CONVERTER
V20 FSA 230V 1AC 0.25KW	6SL3210-5BB12-5AV0	CONVERTER
V20 FSAA 230V 1AC 0.25kW	6SL3210-5BB12-5BV1	CONVERTER
V20 FSA 230V 1AC 0.25KW	6SL3210-5BB12-5UV0	CONVERTER
V20 FSAA 230V 1AC 0.25kW	6SL3210-5BB12-5UV1	CONVERTER
V20 FSA 230V 1AC 0.37KW	6SL3210-5BB13-7AV0	CONVERTER
V20 FSAA 230V 1AC 0.37kW	6SL3210-5BB13-7BV1	CONVERTER
V20 FSA 230V 1AC 0.37KW	6SL3210-5BB13-7UV0	CONVERTER
V20 FSAA 230V 1AC 0.37kW	6SL3210-5BB13-7UV1	CONVERTER
V20 FSA 230V 1AC 0.55KW	6SL3210-5BB15-5AV0	CONVERTER
V20 FSAB 230V 1AC 0.55kW	6SL3210-5BB15-5BV1	CONVERTER
V20 FSA 230V 1AC 0.55KW	6SL3210-5BB15-5UV0	CONVERTER
V20 FSAB 230V 1AC 0.55kW	6SL3210-5BB15-5UV1	CONVERTER
V20 FSA 230V 1AC 0.75KW	6SL3210-5BB17-5AV0	CONVERTER
V20 FSAB 230V 1AC 0.75kW	6SL3210-5BB17-5BV1	CONVERTER
V20 FSA 230V 1AC 0.75KW	6SL3210-5BB17-5UV0	CONVERTER
V20 FSAB 230V 1AC 0.75kW	6SL3210-5BB17-5UV1	CONVERTER
V20 FSA 230V 1AC 0.75KW	6SL3210-5BB18-0AV0	CONVERTER
V20 FSA 230V 1AC 0.75KW	6SL3210-5BB18-0UV0	CONVERTER
V20 FSB 230V 1AC 1.1KW	6SL3210-5BB21-1AV0	CONVERTER
V20 FSB 230V 1AC 1.1KW	6SL3210-5BB21-1UV0	CONVERTER
V20 FSB 230V 1AC 1.5KW	6SL3210-5BB21-5AV0	CONVERTER
V20 FSB 230V 1AC 1.5KW	6SL3210-5BB21-5UV0	CONVERTER
V20 FSC 230V 1AC 2.2KW	6SL3210-5BB22-2AV0	CONVERTER
V20 FSC 230V 1AC 2.2KW	6SL3210-5BB22-2UV0	CONVERTER
V20 FSC 230V 1AC 3KW	6SL3210-5BB23-0AV0	CONVERTER

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V20 FSC 230V 1AC 3KW	6SL3210-5BB23-0UV0	CONVERTER
V20 FSA 400V 3AC 0.37KW	6SL3210-5BE13-7CV0	CONVERTER
V20 FSA 400V 3AC 0.37KW	6SL3210-5BE13-7UV0	CONVERTER
V20 FSA 400V 3AC 0.55KW	6SL3210-5BE15-5CV0	CONVERTER
V20 FSA 400V 3AC 0.55KW	6SL3210-5BE15-5UV0	CONVERTER
V20 FSA 400V 3AC 0.75KW	6SL3210-5BE17-5CV0	CONVERTER
V20 FSA 400V 3AC 0.75KW	6SL3210-5BE17-5UV0	CONVERTER
V20 FSA 400V 3AC 1.1KW	6SL3210-5BE21-1CV0	CONVERTER
V20 FSA 400V 3AC 1.1KW	6SL3210-5BE21-1UV0	CONVERTER
V20 FSA 400V 3AC 1.5KW	6SL3210-5BE21-5CV0	CONVERTER
V20 FSA 400V 3AC 1.5KW	6SL3210-5BE21-5UV0	CONVERTER
V20 FSA 400V 3AC 2.2KW	6SL3210-5BE22-2CV0	CONVERTER
V20 FSA 400V 3AC 2.2KW	6SL3210-5BE22-2UV0	CONVERTER
V20 FSB 400V 3AC 3KW	6SL3210-5BE23-0CV0	CONVERTER
V20 FSB 400V 3AC 3KW	6SL3210-5BE23-0UV0	CONVERTER
V20 FSB 400V 3AC 4KW	6SL3210-5BE24-0CV0	CONVERTER
V20 FSB 400V 3AC 4KW	6SL3210-5BE24-0UV0	CONVERTER
V20 FSC 400V 3AC 5.5KW	6SL3210-5BE25-5CV0	CONVERTER
V20 FSC 400V 3AC 5.5KW	6SL3210-5BE25-5UV0	CONVERTER
V20 FSD 400V 3AC 7.5KW	6SL3210-5BE27-5CV0	CONVERTER
V20 FSD 400V 3AC 7.5KW	6SL3210-5BE27-5UV0	CONVERTER
V20 FSD 400V 3AC 11KW	6SL3210-5BE31-1CV0	CONVERTER
V20 FSD 400V 3AC 11KW	6SL3210-5BE31-1UV0	CONVERTER
V20 FSD 400V 3AC 15KW	6SL3210-5BE31-5CV0	CONVERTER
V20 FSD 400V 3AC 15KW	6SL3210-5BE31-5UV0	CONVERTER
V20 FSE 400V 3AC 18KW	6SL3210-5BE31-8CV0	CONVERTER
V20 FSE 400V 3AC 18KW	6SL3210-5BE31-8UV0	CONVERTER
V20 FSE 400V 3AC 22KW	6SL3210-5BE32-2CV0	CONVERTER
V20 FSE 400V 3AC 22KW	6SL3210-5BE32-2UV0	CONVERTER
V20 FSA 400V 3AC 0.75KW	6SL3216-5BE17-5CV0	CONVERTER
V20 Braking module 230V 8A, 400V 7A	6SL3201-2AD20-8VA0	BRAKING MODULE
V20 BOP Interface	6SL3255-0VA00-2AA0	CONNECTION KIT
V20 BOP Interface	6SL3255-0VA00-2AA1	CONNECTION KIT
V20 BOP	6SL3255-0VA00-4BA0	PANEL
V20 BOP	6SL3255-0VA00-4BA1	PANEL
V20 Smart Access Module	6SL3255-0VA00-5AA0	CONTROLLER
V20 Parameter Loader	6SL3255-0VE00-0UA0	PANEL
V20 Parameter Loader	6SL3255-0VE00-0UA1	PANEL
V20 I/O Extension Module	6SL3255-0VE00-6AA0	CONNECTION KIT

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Anhang RED

Appendix RED

zur EU-Konformitätserklärung

to EU-Declaration of Conformity

Nr. / No. 664.ENRo.BI.02.1708.008

Produktfamilie: **SINAMICS V20**
Product family:

Die Übereinstimmung der bezeichneten Produkte mit den Vorschriften der Richtlinie 2014/53/EU wird nachgewiesen durch die vollständige Einhaltung folgender Normen.
Conformity of the products designated below with the regulations of Directive 2014/53/EU is verified by adherence to the following standards.

Harmonisierte Europäische Normen:
Harmonized European Standards:

Referenznummer *Reference number*	Ausgabedatum *Edition*
EN 60950-1	**2006+A11:2009+A12:2012+A1:2013+A2:2014**
EN 62479	**2010**
EN 301 489-1 V2.1.1	**2017**
EN 301 489-17 V3.2.1	**2017**
EN 300 328 V2.1.1	**2016**

Die Produktfamilie, für die die CE-Kennzeichnung bzgl. 2014/53/EU gilt, besteht aus folgenden Komponenten:
The product family to which the CE marking applies with respect to 2014/53/EU consists of the following components:

Bezeichnung *Denomination*	**Bestell-Nr.** *Order No.*	**Beschreibung** *Description*
V20 Smart Access Module	6SL3255-0VA00-5AA0	CONTROLLER

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Anhang NSR
Appendix LVD

zur EU-Konformitätserklärung
to EU-Declaration of Conformity

Nr. / No. 664.ENRo.BI.02.1708.008

Produktfamilie: **SINAMICS V20**
Product family:

Die Übereinstimmung der bezeichneten Produkte mit den Vorschriften der Richtlinie 2014/35/EU wird nachgewiesen durch die Einhaltung folgender Normen.
Conformity of the products designated below with the regulations of Directive 2014/35/EU is verified by adherence to the following standards.

Harmonisierte Europäische Normen:
Harmonized European Standards:

Referenznummer *Reference number*	Ausgabedatum *Edition*
EN 61800-5-1	**2007**

Die Produktfamilie, für die die CE-Kennzeichnung bzgl. 2014/35/EU gilt, besteht aus folgenden Komponenten:
The product family to which the CE marking applies with respect to 2014/35/EU consists of the following components:

CE-Kennzeichnung: 2016
CE marking

Bezeichnung *Denomination*	**Bestell-Nr.** *Order No.*	**Beschreibung** *Description*
V20 FSAA 230V 1AC 0.12kW	6SL3210-5BB11-2BV1	CONVERTER
V20 FSAA 230V 1AC 0.12kW	6SL3210-5BB11-2UV1	CONVERTER
V20 FSAA 230V 1AC 0.25kW	6SL3210-5BB12-5BV1	CONVERTER
V20 FSAA 230V 1AC 0.25kW	6SL3210-5BB12-5UV1	CONVERTER
V20 FSAA 230V 1AC 0.37kW	6SL3210-5BB13-7BV1	CONVERTER
V20 FSAA 230V 1AC 0.37kW	6SL3210-5BB13-7UV1	CONVERTER
V20 FSAB 230V 1AC 0.55kW	6SL3210-5BB15-5BV1	CONVERTER
V20 FSAB 230V 1AC 0.55kW	6SL3210-5BB15-5UV1	CONVERTER
V20 FSAB 230V 1AC 0.75kW	6SL3210-5BB17-5BV1	CONVERTER
V20 FSAB 230V 1AC 0.75kW	6SL3210-5BB17-5UV1	CONVERTER

CE-Kennzeichnung: 2014
CE marking

Bezeichnung *Denomination*	**Bestell-Nr.** *Order No.*	**Beschreibung** *Description*
V20 FSE 400V 3AC 18KW	6SL3210-5BE31-8CV0	CONVERTER
V20 FSE 400V 3AC 18KW	6SL3210-5BE31-8UV0	CONVERTER
V20 FSE 400V 3AC 22KW	6SL3210-5BE32-2CV0	CONVERTER
V20 FSE 400V 3AC 22KW	6SL3210-5BE32-2UV0	CONVERTER

SIEMENS

CE-Kennzeichnung: 2012
CE marking

Bezeichnung *Denomination*	**Bestell-Nr.** *Order No.*	**Beschreibung** *Description*
V20 FSA 230V 1AC 0.12KW	6SL3210-5BB11-2AV0	CONVERTER
V20 FSA 230V 1AC 0.12KW	6SL3210-5BB11-2UV0	CONVERTER
V20 FSA 230V 1AC 0.25KW	6SL3210-5BB12-5AV0	CONVERTER
V20 FSA 230V 1AC 0.25KW	6SL3210-5BB12-5UV0	CONVERTER
V20 FSA 230V 1AC 0.37KW	6SL3210-5BB13-7AV0	CONVERTER
V20 FSA 230V 1AC 0.37KW	6SL3210-5BB13-7UV0	CONVERTER
V20 FSA 230V 1AC 0.55KW	6SL3210-5BB15-5AV0	CONVERTER
V20 FSA 230V 1AC 0.55KW	6SL3210-5BB15-5UV0	CONVERTER
V20 FSA 230V 1AC 0.75KW	6SL3210-5BB17-5AV0	CONVERTER
V20 FSA 230V 1AC 0.75KW	6SL3210-5BB17-5UV0	CONVERTER
V20 FSA 230V 1AC 0.75KW	6SL3210-5BB18-0AV0	CONVERTER
V20 FSA 230V 1AC 0.75KW	6SL3210-5BB18-0UV0	CONVERTER
V20 FSB 230V 1AC 1.1KW	6SL3210-5BB21-1AV0	CONVERTER
V20 FSB 230V 1AC 1.1KW	6SL3210-5BB21-1UV0	CONVERTER
V20 FSB 230V 1AC 1.5KW	6SL3210-5BB21-5AV0	CONVERTER
V20 FSB 230V 1AC 1.5KW	6SL3210-5BB21-5UV0	CONVERTER
V20 FSC 230V 1AC 2.2KW	6SL3210-5BB22-2AV0	CONVERTER
V20 FSC 230V 1AC 2.2KW	6SL3210-5BB22-2UV0	CONVERTER
V20 FSC 230V 1AC 3KW	6SL3210-5BB23-0AV0	CONVERTER
V20 FSC 230V 1AC 3KW	6SL3210-5BB23-0UV0	CONVERTER
V20 FSA 400V 3AC 0.37KW	6SL3210-5BE13-7CV0	CONVERTER
V20 FSA 400V 3AC 0.37KW	6SL3210-5BE13-7UV0	CONVERTER
V20 FSA 400V 3AC 0.55KW	6SL3210-5BE15-5CV0	CONVERTER
V20 FSA 400V 3AC 0.55KW	6SL3210-5BE15-5UV0	CONVERTER
V20 FSA 400V 3AC 0.75KW	6SL3210-5BE17-5CV0	CONVERTER
V20 FSA 400V 3AC 0.75KW	6SL3210-5BE17-5UV0	CONVERTER
V20 FSA 400V 3AC 1.1KW	6SL3210-5BE21-1CV0	CONVERTER
V20 FSA 400V 3AC 1.1KW	6SL3210-5BE21-1UV0	CONVERTER
V20 FSA 400V 3AC 1.5KW	6SL3210-5BE21-5CV0	CONVERTER
V20 FSA 400V 3AC 1.5KW	6SL3210-5BE21-5UV0	CONVERTER
V20 FSA 400V 3AC 2.2KW	6SL3210-5BE22-2CV0	CONVERTER
V20 FSA 400V 3AC 2.2KW	6SL3210-5BE22-2UV0	CONVERTER
V20 FSB 400V 3AC 3KW	6SL3210-5BE23-0CV0	CONVERTER
V20 FSB 400V 3AC 3KW	6SL3210-5BE23-0UV0	CONVERTER
V20 FSB 400V 3AC 4KW	6SL3210-5BE24-0CV0	CONVERTER
V20 FSB 400V 3AC 4KW	6SL3210-5BE24-0UV0	CONVERTER
V20 FSC 400V 3AC 5.5KW	6SL3210-5BE25-5CV0	CONVERTER
V20 FSC 400V 3AC 5.5KW	6SL3210-5BE25-5UV0	CONVERTER
V20 FSD 400V 3AC 7.5KW	6SL3210-5BE27-5CV0	CONVERTER
V20 FSD 400V 3AC 7.5KW	6SL3210-5BE27-5UV0	CONVERTER
V20 FSD 400V 3AC 11KW	6SL3210-5BE31-1CV0	CONVERTER
V20 FSD 400V 3AC 11KW	6SL3210-5BE31-1UV0	CONVERTER
V20 FSD 400V 3AC 15KW	6SL3210-5BE31-5CV0	CONVERTER
V20 FSD 400V 3AC 15KW	6SL3210-5BE31-5UV0	CONVERTER
V20 FSA 400V 3AC 0.75KW	6SL3216-5BE17-5CV0	CONVERTER
V20 Braking module 230V 8A, 400V 7A	6SL3201-2AD20-8VA0	BRAKING MODULE

SIEMENS

Anhang RoHS
Appendix RoHS

zur EU-Konformitätserklärung
to EU-Declaration of Conformity

Nr. / No. 664.ENRo.BI.02.1708.008

Produktfamilie: **SINAMICS V20**
Product family:

Die Übereinstimmung der bezeichneten Produkte mit den Vorschriften der Richtlinie 2011/65/EU wird nachgewiesen durch die Einhaltung folgender Normen.
Conformity of the products designated below with the regulations of Directive 2011/65/EU is verified by adherence to the following standards.

Harmonisierte Europäische Normen:
Harmonized European Standards:

Referenznummer *Reference number*	Ausgabedatum *Edition*
EN 50581	**2012**

Die Produktfamilie, für die die CE-Kennzeichnung bzgl. 2011/65/EU gilt, besteht aus folgenden Komponenten:
The product family to which the CE marking applies with respect to 2011/65/EU consists of the following components:

Bezeichnung *Denomination*	**Bestell-Nr.** *Order No.*	**Beschreibung** *Description*
V20 FSA 230V 1AC 0.12KW	6SL3210-5BB11-2AV0	CONVERTER
V20 FSAA 230V 1AC 0.12kW	6SL3210-5BB11-2BV1	CONVERTER
V20 FSA 230V 1AC 0.12KW	6SL3210-5BB11-2UV0	CONVERTER
V20 FSAA 230V 1AC 0.12kW	6SL3210-5BB11-2UV1	CONVERTER
V20 FSA 230V 1AC 0.25KW	6SL3210-5BB12-5AV0	CONVERTER
V20 FSAA 230V 1AC 0.25kW	6SL3210-5BB12-5BV1	CONVERTER
V20 FSA 230V 1AC 0.25KW	6SL3210-5BB12-5UV0	CONVERTER
V20 FSAA 230V 1AC 0.25kW	6SL3210-5BB12-5UV1	CONVERTER
V20 FSA 230V 1AC 0.37KW	6SL3210-5BB13-7AV0	CONVERTER
V20 FSAA 230V 1AC 0.37kW	6SL3210-5BB13-7BV1	CONVERTER
V20 FSA 230V 1AC 0.37KW	6SL3210-5BB13-7UV0	CONVERTER
V20 FSAA 230V 1AC 0.37kW	6SL3210-5BB13-7UV1	CONVERTER
V20 FSA 230V 1AC 0.55KW	6SL3210-5BB15-5AV0	CONVERTER
V20 FSAB 230V 1AC 0.55kW	6SL3210-5BB15-5BV1	CONVERTER
V20 FSA 230V 1AC 0.55KW	6SL3210-5BB15-5UV0	CONVERTER
V20 FSAB 230V 1AC 0.55kW	6SL3210-5BB15-5UV1	CONVERTER
V20 FSA 230V 1AC 0.75KW	6SL3210-5BB17-5AV0	CONVERTER
V20 FSAB 230V 1AC 0.75kW	6SL3210-5BB17-5BV1	CONVERTER
V20 FSA 230V 1AC 0.75KW	6SL3210-5BB17-5UV0	CONVERTER
V20 FSAB 230V 1AC 0.75kW	6SL3210-5BB17-5UV1	CONVERTER
V20 FSA 230V 1AC 0.75KW	6SL3210-5BB18-0AV0	CONVERTER
V20 FSA 230V 1AC 0.75KW	6SL3210-5BB18-0UV0	CONVERTER
V20 FSB 230V 1AC 1.1KW	6SL3210-5BB21-1AV0	CONVERTER
V20 FSB 230V 1AC 1.1KW	6SL3210-5BB21-1UV0	CONVERTER
V20 FSB 230V 1AC 1.5KW	6SL3210-5BB21-5AV0	CONVERTER
V20 FSB 230V 1AC 1.5KW	6SL3210-5BB21-5UV0	CONVERTER
V20 FSC 230V 1AC 2.2KW	6SL3210-5BB22-2AV0	CONVERTER
V20 FSC 230V 1AC 2.2KW	6SL3210-5BB22-2UV0	CONVERTER
V20 FSC 230V 1AC 3KW	6SL3210-5BB23-0AV0	CONVERTER

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V20 FSC 230V 1AC 3KW	6SL3210-5BB23-0UV0	CONVERTER
V20 FSA 400V 3AC 0.37KW	6SL3210-5BE13-7CV0	CONVERTER
V20 FSA 400V 3AC 0.37KW	6SL3210-5BE13-7UV0	CONVERTER
V20 FSA 400V 3AC 0.55KW	6SL3210-5BE15-5CV0	CONVERTER
V20 FSA 400V 3AC 0.55KW	6SL3210-5BE15-5UV0	CONVERTER
V20 FSA 400V 3AC 0.75KW	6SL3210-5BE17-5CV0	CONVERTER
V20 FSA 400V 3AC 0.75KW	6SL3210-5BE17-5UV0	CONVERTER
V20 FSA 400V 3AC 1.1KW	6SL3210-5BE21-1CV0	CONVERTER
V20 FSA 400V 3AC 1.1KW	6SL3210-5BE21-1UV0	CONVERTER
V20 FSA 400V 3AC 1.5KW	6SL3210-5BE21-5CV0	CONVERTER
V20 FSA 400V 3AC 1.5KW	6SL3210-5BE21-5UV0	CONVERTER
V20 FSA 400V 3AC 2.2KW	6SL3210-5BE22-2CV0	CONVERTER
V20 FSA 400V 3AC 2.2KW	6SL3210-5BE22-2UV0	CONVERTER
V20 FSB 400V 3AC 3KW	6SL3210-5BE23-0CV0	CONVERTER
V20 FSB 400V 3AC 3KW	6SL3210-5BE23-0UV0	CONVERTER
V20 FSB 400V 3AC 4KW	6SL3210-5BE24-0CV0	CONVERTER
V20 FSB 400V 3AC 4KW	6SL3210-5BE24-0UV0	CONVERTER
V20 FSC 400V 3AC 5.5KW	6SL3210-5BE25-5CV0	CONVERTER
V20 FSC 400V 3AC 5.5KW	6SL3210-5BE25-5UV0	CONVERTER
V20 FSD 400V 3AC 7.5KW	6SL3210-5BE27-5CV0	CONVERTER
V20 FSD 400V 3AC 7.5KW	6SL3210-5BE27-5UV0	CONVERTER
V20 FSD 400V 3AC 11KW	6SL3210-5BE31-1CV0	CONVERTER
V20 FSD 400V 3AC 11KW	6SL3210-5BE31-1UV0	CONVERTER
V20 FSD 400V 3AC 15KW	6SL3210-5BE31-5CV0	CONVERTER
V20 FSD 400V 3AC 15KW	6SL3210-5BE31-5UV0	CONVERTER
V20 FSE 400V 3AC 18KW	6SL3210-5BE31-8CV0	CONVERTER
V20 FSE 400V 3AC 18KW	6SL3210-5BE31-8UV0	CONVERTER
V20 FSE 400V 3AC 22KW	6SL3210-5BE32-2CV0	CONVERTER
V20 FSE 400V 3AC 22KW	6SL3210-5BE32-2UV0	CONVERTER
V20 FSA 400V 3AC 0.75KW	6SL3216-5BE17-5CV0	CONVERTER
V20 Braking module 230V 8A, 400V 7A	6SL3201-2AD20-8VA0	BRAKING MODULE
V20 BOP Interface	6SL3255-0VA00-2AA0	CONNECTION KIT
V20 BOP Interface	6SL3255-0VA00-2AA1	CONNECTION KIT
V20 BOP	6SL3255-0VA00-4BA0	PANEL
V20 BOP	6SL3255-0VA00-4BA1	PANEL
V20 Smart Access Module	6SL3255-0VA00-5AA0	CONTROLLER
V20 Parameter Loader	6SL3255-0VE00-0UA0	PANEL
V20 Parameter Loader	6SL3255-0VE00-0UA1	PANEL
V20 I/O Extension Module	6SL3255-0VE00-6AA0	CONNECTION KIT

Supplier's declaration of conformity

Document No.: 667.DCO.BI.40.1703.001

For compliance levels 1, 2 and 3 in Australia

As required by the following Notices:

- *Radiocommunications Devices (Compliance Labelling) Notice 2003* made under section 182 of the *Radiocommunications Act 1992*;
- *Radiocommunications Labelling (Electromagnetic Compatibility) Notice 2008* made under section 182 of the *Radiocommunications Act 1992*
- *Radiocommunications (Compliance Labelling – Electromagnetic Radiation) Notice 2003* made under section 182 of the *Radiocommunications Act 1992* and
- *Telecommunications Labelling (Customer Equipment and Customer Cabling) Notice 2001* made under section 407 of the *Telecommunications Act 1997*.

Instructions for completion

- ***Do not return this form to the ACMA***. This completed form must be retained by the supplier as part of the documentation required for the compliance records and must be made available for inspection by the ACMA when requested.

Supplier's details (manufacturer, importer or authorised agent)

Company Name (OR INDIVIDUAL)

SIEMENS LTD

Street Address

885 Mountain Highway
Bayswater
Victoria 3153

ACMA supplier code number

(issued by the ACMA prior to 1 March 2013)

N474

OR

ABN

Not required as per ACMA directive

Product details

Product description – brand name, type, model, lot, batch or serial number (if available)

SINAMICS V20

Compliance

The above mentioned product complies with the requirements of the relevant ACMA Standards made under the *Radiocommunications Act 1992* and the *Telecommunications Act 1997.* These Standards are referenced in notices made under *section 182 of the Radiocommunications Act and 407 of the Telecommunications Act.*

Evidence of compliance is demonstrated by test reports to the following applicable standards.

Applicable standards

Standard title, number and, if applicable, number of the test report

EN 61800-3

Declaration

I hereby declare that the contents of this form are true and correct, that the product mentioned above complies with the relevant above mentioned standards and all products supplied under this declaration will be identical to the product identified above.

***Note*:** Under section 137.1 of the *Criminal Code Act 1995*, it is an offence to knowingly provide false or misleading information to a Commonwealth entity.

Penalty: 12 months imprisonment

Lau Andrew Digitally signed by Lau Andrew DN: cn=Lau Andrew, o=Siemens, email=andrew.lau@siemens.com Date: 2017.03.16 16:44:39 +11'00' DATE & SIGNATURE OF SUPPLIER OR AGENT	Product Manager POSITION IN ORGANISATION

The *Privacy Act 1988* (Cth) (the Privacy Act) imposes obligations on the ACMA in relation to the collection, security, quality, access, use and disclosure of personal information. These obligations are detailed in the Australian Privacy Principles.

The ACMA may only collect personal information if it is reasonably necessary for, or directly related to, one or more of the ACMA's functions or activities.

The purpose of the collection of the personal information in this online form is to ensure the supplier is identified in the 'Declaration of conformity'. This information is required under the following notices:

- Radiocommunications Devices (Compliance Labelling) Notice 2003 made under section 182 of the *Radiocommunications Act 1992*
- Radiocommunications Labelling (Electromagnetic Compatibility) Notice 2008 made under section 182 of the *Radiocommunications Act 1992*
- Radiocommunications (Compliance Labelling—Electromagnetic Radiation) Notice 2003 made under section 182 of the *Radiocommunications Act 1992*
- Telecommunications Labelling (Customer Equipment and Customer Cabling) Notice 2001 made under section 407 of the *Telecommunications Act 1997*.

If you do not provide the information, a compliance label is not able to be applied.

Further information on the Privacy Act and the ACMA's Privacy Policy is available at www.acma.gov.au/privacypolicy. The Privacy Policy contains details about how you may access personal information about you that is held by the ACMA, and seek the correction of such information. It also explains how you may complain about a breach of the Privacy Act and how we will deal with such a complaint.

Should you have any questions in this regard, please contact the ACMA's privacy contact officer on telephone on 1800 226 667 or by email at privacy@acma.gov.au.

Product(s)

Product	MLFB	Description	Test Report
V20 FSA 230V 1AC 0,12KW	6SL3210-5BB11-2AV0	CONVERTER	Test_Report - EMC_V20_FSA-FSC_1AC_230V_A5E03746874A_12-12-20.pdf
V20 FSAA 230V 1AC 0.12kW	6SL3210-5BB11-2BV1	CONVERTER	Test_Report - EMC_V20_1AC_230V_A5E03746874A_16-03-31.pdf
V20 FSA 230V 1AC 0,12KW	6SL3210-5BB11-2UV0	CONVERTER	Test_Report - EMC_V20_FSA-FSC_1AC_230V_A5E03746874A_12-12-20.pdf
V20 FSAA 230V 1AC 0.12kW	6SL3210-5BB11-2UV1	CONVERTER	Test_Report - EMC_V20_1AC_230V_A5E03746874A_16-03-31.pdf
V20 FSA 230V 1AC 0,25KW	6SL3210-5BB12-5AV0	CONVERTER	Test_Report - EMC_V20_FSA-FSC_1AC_230V_A5E03746874A_12-12-20.pdf
V20 FSAA 230V 1AC 0.25kW	6SL3210-5BB12-5BV1	CONVERTER	Test_Report - EMC_V20_1AC_230V_A5E03746874A_16-03-31.pdf
V20 FSA 230V 1AC 0,25KW	6SL3210-5BB12-5UV0	CONVERTER	Test_Report - EMC_V20_FSA-FSC_1AC_230V_A5E03746874A_12-12-20.pdf
V20 FSAA 230V 1AC 0.25kW	6SL3210-5BB12-5UV1	CONVERTER	Test_Report - EMC_V20_1AC_230V_A5E03746874A_16-03-31.pdf
V20 FSA 230V 1AC 0,37KW	6SL3210-5BB13-7AV0	CONVERTER	Test_Report - EMC_V20_FSA-FSC_1AC_230V_A5E03746874A_12-12-20.pdf
V20 FSAA 230V 1AC 0.37kW	6SL3210-5BB13-7BV1	CONVERTER	Test_Report - EMC_V20_1AC_230V_A5E03746874A_16-03-31.pdf
V20 FSA 230V 1AC 0,37KW	6SL3210-5BB13-7UV0	CONVERTER	Test_Report - EMC_V20_FSA-FSC_1AC_230V_A5E03746874A_12-12-20.pdf
V20 FSAA 230V 1AC 0.37kW	6SL3210-5BB13-7UV1	CONVERTER	Test_Report - EMC_V20_1AC_230V_A5E03746874A_16-03-31.pdf
V20 FSA 230V 1AC 0,55KW	6SL3210-5BB15-5AV0	CONVERTER	Test_Report - EMC_V20_FSA-FSC_1AC_230V_A5E03746874A_12-12-20.pdf
V20 FSAB 230V 1AC 0.55kW	6SL3210-5BB15-5BV1	CONVERTER	Test_Report - EMC_V20_1AC_230V_A5E03746874A_16-03-31.pdf
V20 FSA 230V 1AC 0,55KW	6SL3210-5BB15-5UV0	CONVERTER	Test_Report - EMC_V20_FSA-FSC_1AC_230V_A5E03746874A_12-12-20.pdf
V20 FSAB 230V 1AC 0.55kW	6SL3210-5BB15-5UV1	CONVERTER	Test_Report - EMC_V20_1AC_230V_A5E03746874A_16-03-31.pdf
V20 FSA 230V 1AC 0,75KW	6SL3210-5BB17-5AV0	CONVERTER	Test_Report - EMC_V20_FSA-FSC_1AC_230V_A5E03746874A_12-12-20.pdf
V20 FSAB 230V 1AC 0.75kW	6SL3210-5BB17-5BV1	CONVERTER	Test_Report - EMC_V20_1AC_230V_A5E03746874A_16-03-31.pdf
V20 FSA 230V 1AC 0,75KW	6SL3210-5BB17-5UV0	CONVERTER	Test_Report - EMC_V20_FSA-FSC_1AC_230V_A5E03746874A_12-12-20.pdf
V20 FSAB 230V 1AC 0.75kW	6SL3210-5BB17-5UV1	CONVERTER	Test_Report - EMC_V20_1AC_230V_A5E03746874A_16-03-31.pdf
V20 FSA 230V 1AC 0,75KW	6SL3210-5BB18-0AV0	CONVERTER	Test_Report - EMC_V20_FSA-FSC_1AC_230V_A5E03746874A_12-12-20.pdf
V20 FSA 230V 1AC 0,75KW	6SL3210-5BB18-0UV0	CONVERTER	Test_Report - EMC_V20_FSA-FSC_1AC_230V_A5E03746874A_12-12-20.pdf
V20 FSB 230V 1AC 1,1KW	6SL3210-5BB21-1AV0	CONVERTER	Test_Report - EMC_V20_FSA-FSC_1AC_230V_A5E03746874A_12-12-20.pdf
V20 FSB 230V 1AC 1,1KW	6SL3210-5BB21-1UV0	CONVERTER	Test_Report - EMC_V20_FSA-FSC_1AC_230V_A5E03746874A_12-12-20.pdf
V20 FSB 230V 1AC 1,5KW	6SL3210-5BB21-5AV0	CONVERTER	Test_Report - EMC_V20_FSA-FSC_1AC_230V_A5E03746874A_12-12-20.pdf
V20 FSB 230V 1AC 1,5KW	6SL3210-5BB21-5UV0	CONVERTER	Test_Report - EMC_V20_FSA-FSC_1AC_230V_A5E03746874A_12-12-20.pdf
V20 FSC 230V 1AC 2,2KW	6SL3210-5BB22-2AV0	CONVERTER	Test_Report - EMC_V20_FSA-FSC_1AC_230V_A5E03746874A_12-12-20.pdf
V20 FSC 230V 1AC 2,2KW	6SL3210-5BB22-2UV0	CONVERTER	Test_Report - EMC_V20_FSA-FSC_1AC_230V_A5E03746874A_12-12-20.pdf
V20 FSC 230V 1AC 3KW	6SL3210-5BB23-0AV0	CONVERTER	Test_Report - EMC_V20_FSA-FSC_1AC_230V_A5E03746874A_12-12-20.pdf
V20 FSC 230V 1AC 3KW	6SL3210-5BB23-0UV0	CONVERTER	Test_Report - EMC_V20_FSA-FSC_1AC_230V_A5E03746874A_12-12-20.pdf
V20 FSA 400V 3AC 0,37KW	6SL3210-5BE13-7CV0	CONVERTER	Test_Report - EMC_V20_400V_A5E03746861A_14-10-30.pdf
V20 FSA 400V 3AC 0,37KW	6SL3210-5BE13-7UV0	CONVERTER	Test_Report - EMC_V20_400V_A5E03746861A_14-10-30.pdf
V20 FSA 400V 3AC 0,55KW	6SL3210-5BE15-5CV0	CONVERTER	Test_Report - EMC_V20_400V_A5E03746861A_14-10-30.pdf
V20 FSA 400V 3AC 0,55KW	6SL3210-5BE15-5UV0	CONVERTER	Test_Report - EMC_V20_400V_A5E03746861A_14-10-30.pdf
V20 FSA 400V 3AC 0,75KW	6SL3210-5BE17-5CV0	CONVERTER	Test_Report - EMC_V20_400V_A5E03746861A_14-10-30.pdf
V20 FSA 400V 3AC 0,75KW	6SL3210-5BE17-5UV0	CONVERTER	Test_Report - EMC_V20_400V_A5E03746861A_14-10-30.pdf
V20 FSA 400V 3AC 1,1KW	6SL3210-5BE21-1CV0	CONVERTER	Test_Report - EMC_V20_400V_A5E03746861A_14-10-30.pdf
V20 FSA 400V 3AC 1,1KW	6SL3210-5BE21-1UV0	CONVERTER	Test_Report - EMC_V20_400V_A5E03746861A_14-10-30.pdf
V20 FSA 400V 3AC 1,5KW	6SL3210-5BE21-5CV0	CONVERTER	Test_Report - EMC_V20_400V_A5E03746861A_14-10-30.pdf
V20 FSA 400V 3AC 1,5KW	6SL3210-5BE21-5UV0	CONVERTER	Test_Report - EMC_V20_400V_A5E03746861A_14-10-30.pdf
V20 FSA 400V 3AC 2,2KW	6SL3210-5BE22-2CV0	CONVERTER	Test_Report - EMC_V20_400V_A5E03746861A_14-10-30.pdf
V20 FSA 400V 3AC 2,2KW	6SL3210-5BE22-2UV0	CONVERTER	Test_Report - EMC_V20_400V_A5E03746861A_14-10-30.pdf
V20 FSB 400V 3AC 3KW	6SL3210-5BE23-0CV0	CONVERTER	Test_Report - EMC_V20_400V_A5E03746861A_14-10-30.pdf
V20 FSB 400V 3AC 3KW	6SL3210-5BE23-0UV0	CONVERTER	Test_Report - EMC_V20_400V_A5E03746861A_14-10-30.pdf
V20 FSB 400V 3AC 4KW	6SL3210-5BE24-0CV0	CONVERTER	Test_Report - EMC_V20_400V_A5E03746861A_14-10-30.pdf
V20 FSB 400V 3AC 4KW	6SL3210-5BE24-0UV0	CONVERTER	Test_Report - EMC_V20_400V_A5E03746861A_14-10-30.pdf
V20 FSC 400V 3AC 5,5KW	6SL3210-5BE25-5CV0	CONVERTER	Test_Report - EMC_V20_400V_A5E03746861A_14-10-30.pdf
V20 FSC 400V 3AC 5,5KW	6SL3210-5BE25-5UV0	CONVERTER	Test_Report - EMC_V20_400V_A5E03746861A_14-10-30.pdf
V20 FSD 400V 3AC 7,5KW	6SL3210-5BE27-5CV0	CONVERTER	Test_Report - EMC_V20_400V_A5E03746861A_14-10-30.pdf
V20 FSD 400V 3AC 7,5KW	6SL3210-5BE27-5UV0	CONVERTER	Test_Report - EMC_V20_400V_A5E03746861A_14-10-30.pdf
V20 FSD 400V 3AC 11KW	6SL3210-5BE31-1CV0	CONVERTER	Test_Report - EMC_V20_400V_A5E03746861A_14-10-30.pdf
V20 FSD 400V 3AC 11KW	6SL3210-5BE31-1UV0	CONVERTER	Test_Report - EMC_V20_400V_A5E03746861A_14-10-30.pdf
V20 FSD 400V 3AC 15KW	6SL3210-5BE31-5CV0	CONVERTER	Test_Report - EMC_V20_400V_A5E03746861A_14-10-30.pdf
V20 FSD 400V 3AC 15KW	6SL3210-5BE31-5UV0	CONVERTER	Test_Report - EMC_V20_400V_A5E03746861A_14-10-30.pdf
V20 FSE 400V 3AC 18KW	6SL3210-5BE31-8CV0	CONVERTER	Test_Report - EMC_V20_FSE_3AC_400V_A5E03746861A_14-09-26.pdf
V20 FSE 400V 3AC 18KW	6SL3210-5BE31-8UV0	CONVERTER	Test_Report - EMC_V20_FSE_3AC_400V_A5E03746861A_14-09-26.pdf

V20 FSE 400V 3AC 22KW	6SL3210-5BE32-2CV0	CONVERTER	Test_Report - EMC_V20_FSE_3AC_400V_A5E03746861A_14-09-26.pdf
V20 FSE 400V 3AC 22KW	6SL3210-5BE32-2UV0	CONVERTER	Test_Report - EMC_V20_FSE_3AC_400V_A5E03746861A_14-09-26.pdf
V20 FSA 400V 3AC 0,75KW	6SL3216-5BE17-5CV0	CONVERTER	Test_Report - EMC_V20_FSA_3AC_400V_A5E03746861A_13-01-31.pdf
V20 Braking module 230V 8A, 400V 7A	6SL3201-2AD20-8VA0	BRAKING MODULE	Test_Report - EMC_V20_400V_A5E03746861A_11-12-02.pdf
V20 BOP Interface	6SL3255-0VA00-2AA0	CONNECTION KIT	Test_Report - EMC_V20_FSA-FSC_1AC_230V_A5E03746874A_12-12-20.pdf
V20 BOP Interface	6SL3255-0VA00-2AA1	CONNECTION KIT	Test_Report - EMC_V20_1AC_230V_A5E03746874A_16-03-31.pdf
V20 BOP	6SL3255-0VA00-4BA0	PANEL	Test_Report - EMC_V20_FSA-FSC_1AC_230V_A5E03746874A_12-12-20.pdf
V20 BOP	6SL3255-0VA00-4BA1	PANEL	Test_Report - EMC_V20_1AC_230V_A5E03746874A_16-03-31.pdf
V20 Parameter Loader	6SL3255-0VE00-0UA0	PANEL	Test_Report - EMC_V20_FSA-FSC_1AC_230V_A5E03746874A_12-12-20.pdf
V20 Parameter Loader	6SL3255-0VE00-0UA1	PANEL	Test_Report - EMC_V20_1AC_230V_A5E03746874A_16-03-31.pdf
V20 Smart Access Module	6SL3255-0VA00-5AA0	CONTROLLER	Test_Report - EMC_V20_Smart_Access_A5E03746874A_16-11-09.pdf