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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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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WEEE-Reg.-No. DE 23691322

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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

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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

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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)

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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

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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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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

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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

SIEMENS

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.

SIEMENS

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.

SIEMENS

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

SIEMENS

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

SIEMENS

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.MENRo.BF.02.1707.008

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

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:

2006/42/EG *2006/42/EC*	**Maschinenrichtlinie** *Machinery Directive* Weitere Angaben über die Einhaltung dieser Richtlinie enthält Anhang MRL. *More details regarding adherence to this Directive is provided in Appendix MD.*
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.*
2014/35/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, 17-07-22

G. Bock

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

T. Heinzelmann

i.V. .....
Vice President Quality Management
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 safely notes of the product documentation must be observed.

Siemens Aktiengesellschaft: Vorsitzender des Aufsichtsrats: Gerhard Cromme; Vorstand: Joe Kaeser, Vorsitzender; Roland Busch, Lisa Davis, Klaus Helmrich, Janina Kugel, Siegfried Russwurm, Ralf P. Thomas; Sitz der Gesellschaft: Berlin und München, Deutschland; Registergericht: Berlin Charlottenburg, HRB 12300, München, HRB 6684; WEEE-Reg.-Nr. DE 23691322

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Anhang MRL

Appendix MD

zur EU-Konformitätserklärung

to EU-Declaration of Conformity

Nr. / No. 664.MENRo.BF.02.1707.008

Produktfamilie: **SINAMICS Options**
Product family:

Die Übereinstimmung der unten bezeichneten Produkte mit den Vorschriften der Richtlinie 2006/42/EG wird nachgewiesen durch die vollständige Einhaltung folgender Normen.
Conformity of the products designated below with the regulations of Directive 2006/42/EC is verified by adherence to the following standards.

Harmonisierte Europäische Normen:
Harmonized European Standards:

Referenznummer *Reference number*	Ausgabedatum *Edition*
EN 61800-5-2[1]	**2007**

[1] Dieser Standard beinhaltet implizit den zugehörigen Produktstandard EN 61800-5-1 für alle hier gelisteten Module, die zusätzlich unter die Niederspannungsrichtlinie fallen.
This standard implicitly includes the related product standard EN 61800-5-1 for all listed modules that are also subject to the Low Voltage Directive.

Die bevollmächtigte Person zum Zusammenstellen der technischen Unterlagen ist der verantwortliche Manager der funktionalen Sicherheit der Siemens AG, DF MC.
The person authorised to compile the technical documents is the responsible Functional Safety Manager of Siemens AG, DF MC.

Die Produktfamilie, für die die CE-Kennzeichnung bzgl. 2006/42/EG gilt, besteht aus folgenden Komponenten:
The product family to which the CE marking applies with respect to 2006/42/EC consists of the following components:

Bezeichnung *Denomination*	**Bestell-Nr.** *Order No.*	**Beschreibung** *Description*
SAFE BRAKE RELAY	6SL3252-0BB00-0AA0	ADAPTER KIT
SAFE BRAKE RELAY	6SL3252-0BB01-0AA0	ADAPTER KIT
TM54F	6SL3055-0AA00-3BA0	TERMINAL MODULE
HLA	6SL3420-2HX00-0AA0	CONTROLLER
SMC20	6SL3055-0AA00-5BA3	SENSOR MODULE
SMC40	6SL3055-0AA00-5DA0	SENSOR MODULE
SME20	6SL3055-0AA00-5EA3	SENSOR MODULE
SME25	6SL3055-0AA00-5HA3	SENSOR MODULE
SME120	6SL3055-0AA00-5JA3	SENSOR MODULE
SME125	6SL3055-0AA00-5KA3	SENSOR MODULE
SMI24	6SL3055-0AA00-5SA3	SENSOR MODULE

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Anhang EMV
Appendix EMC

zur EU-Konformitätserklärung
to EU-Declaration of Conformity

Nr. / No. 664.MENRo.BF.02.1707.008

Produktfamilie: **SINAMICS Options**
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	Ausgabedatum
Reference number	*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*
AIM (ALM, 3AC, 380-480V, 50/60Hz, 16kW)	6SL3100-0BE21-6AB0	FILTER
AIM (ALM, 3AC, 380-480V, 50/60Hz, 36kW)	6SL3100-0BE23-6AB0	FILTER
AIM (ALM, 3AC, 380-480V, 50/60Hz, 55kW)	6SL3100-0BE25-5AB0	FILTER
AIM (ALM, 3AC, 380-480V, 50/60Hz, 80kW)	6SL3100-0BE28-0AB0	FILTER
AIM (ALM, 3AC, 380-480V, 50/60Hz, 120kW)	6SL3100-0BE31-2AB0	FILTER
AIM (ALM, 3AC, 380-480V, 50/60Hz, 160kW)	6SL3300-7TE32-6AA0	FILTER
AIM (ALM, 3AC, 380-480V, 50/60Hz, 160kW)	6SL3300-7TE32-6AA1	FILTER
AIM (ALM, 3AC, 380-480V, 50/60Hz, 235kW)	6SL3300-7TE33-8AA0	FILTER
AIM (ALM, 3AC, 380-480V, 50/60Hz, 235kW)	6SL3300-7TE33-8AA1	FILTER
AIM (ALM, 3AC, 380-480V, 50/60Hz, 300kW)	6SL3300-7TE35-0AA0	FILTER
AIM (ALM, 3AC, 380-480V, 50/60Hz, 300kW)	6SL3300-7TE35-0AA1	FILTER
BRAKING MODULE (600V DC, 100 KW)	6SL3100-1AE31-0AB1	BRAKING MODULE
BRAKING MODULE (600V DC, 125KW, Chassis)	6SL3300-1AE31-3AA0	BRAKING MODULE
BRAKING MODULE (600V DC, 250KW, Chassis)	6SL3300-1AE32-5AA0	BRAKING MODULE
BRAKING MODULE (600V DC, 250KW, Chassis)	6SL3300-1AE32-5BA0	BRAKING MODULE
BRAKING MODULE (900V DC, 100KW, Chassis)	6SL3300-1AF31-3AA0	BRAKING MODULE
BRAKING MODULE (860V DC, 250kW, Chassis)	6SL3300-1AF32-5AA0	BRAKING MODULE
BRAKING MODULE (860V DC, 250kW, Chassis)	6SL3300-1AF32-5BA0	BRAKING MODULE
BRAKING MODULE (1035V DC, 125kW, Chassis)	6SL3300-1AH31-3AA0	BRAKING MODULE
BRAKING MODULE (1035V DC, 250kW, Chassis)	6SL3300-1AH32-5AA0	BRAKING MODULE
BRAKING MODULE (1035V DC, 250kW, Chassis)	6SL3300-1AH32-5BA0	BRAKING MODULE
BRAKING MODULE (600V DC, 100kW, Compact)	6SL3400-1AE31-0AA1	BRAKING MODULE
CONTROL SUPPLY MODULE (26V DC)	6SL3100-1DE22-0AA1	SUPPLY MODULE
EXTERNAL FAN UNIT (24V DC, 18W, COMBI)	6SL3161-0EP00-0AA0	ADAPTER KIT
VSM 10	6SL3053-0AA00-3AA1	SENSOR MODULE
COMPACTFLASH (S120)	6SL3054-0CB00-1AA0	MEMORY
COMPACTFLASH (S120)	6SL3054-0CB01-1AA0	MEMORY
COMPACTFLASH (S120)	6SL3054-0CC00-1AA0	MEMORY
COMPACTFLASH (S120)	6SL3054-0CC01-1AA0	MEMORY

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COMPACTFLASH (S120)	6SL3054-0CD00-1AA0	MEMORY
COMPACTFLASH (S120)	6SL3054-0CD01-1AA0	MEMORY
COMPACTFLASH (S120)	6SL3054-0CE00-1AA0	MEMORY
COMPACTFLASH (S120)	6SL3054-0CE01-1AA0	MEMORY
COMPACTFLASH (S120)	6SL3054-0CF00-1AA0	MEMORY
COMPACTFLASH (S120)	6SL3054-0CF01-1AA0	MEMORY
COMPACTFLASH (S120)	6SL3054-0CG01-1AA0	MEMORY
COMPACTFLASH (S120)	6SL3054-0ED00-1BA0	MEMORY
COMPACTFLASH (S120)	6SL3054-0ED01-1BA0	MEMORY
COMPACTFLASH (S120)	6SL3054-0EE00-1BA0	MEMORY
COMPACTFLASH (S120)	6SL3054-0EE01-1BA0	MEMORY
COMPACTFLASH (S120)	6SL3054-0EF00-1BA0	MEMORY
COMPACTFLASH (S120)	6SL3054-0EF01-1BA0	MEMORY
COMPACTFLASH (S120)	6SL3054-0EG00-1BA0	MEMORY
COMPACTFLASH (S120)	6SL3054-0EG01-1BA0	MEMORY
COMPACTFLASH (S120, 2GB)	6SL3054-0EH00-1BA0	MEMORY
COMPACTFLASH (S120, 2GB)	6SL3054-0EH01-1BA0	MEMORY
COMPACTFLASH (S120)	6SL3054-0TA00-1BA0	MEMORY
COMPACTFLASH (S120)	6SL3054-0TA01-1BA0	MEMORY
MMC (64MB)	6SL3054-4AG00-0AA0	MEMORY
SD-Card (512MB)	6SL3054-4AG00-2AA0	MEMORY
SD-Card (512MB, FW 4.5)	6SL3054-7EF00-2BA0	MEMORY
SD-Card (512MB, FW 4.6)	6SL3054-7EG00-2BA0	MEMORY
SD-Card (512MB, FW 4.7)	6SL3054-7EH00-2BA0	MEMORY
BOP-20	6SL3055-0AA00-4BA0	PANEL
BOP	6SL3255-0AA00-4BA1	PANEL
BOP-2	6SL3255-0AA00-4CA1	PANEL
IOP (hand held kit)	6SL3255-0AA00-4HA0	PANEL
IOP	6SL3255-0AA00-4JA1	PANEL
IOP-2	6SL3255-0AA00-4JA2	PANEL
IOP (Chinese)	6SL3255-0AA00-4JC1	PANEL
DMC20	6SL3055-0AA00-6AA1	CONTROLLER
DME20 (IP67)	6SL3055-0AA00-6AB0	CONTROLLER
TM31	6SL3055-0AA00-3AA1	TERMINAL MODULE
TM54F	6SL3055-0AA00-3BA0	TERMINAL MODULE
TM15	6SL3055-0AA00-3FA0	TERMINAL MODULE
TM17	6SL3055-0AA00-3HA0	TERMINAL MODULE
TM120	6SL3055-0AA00-3KA0	TERMINAL MODULE
TM41	6SL3055-0AA00-3PA0	TERMINAL MODULE
TM41	6SL3055-0AA00-3PA1	TERMINAL MODULE
CBC10 (CAN)	6SL3055-0AA00-2CA0	CONTROLLER
CBE20 (PN)	6SL3055-0AA00-2EB0	CONTROLLER
HLA	6SL3420-2HX00-0AA0	CONTROLLER
SME91	1FN1910-0AA20-1AA0	SENSOR MODULE
SME91 (PT1000)	1FN1910-0AA20-1AA3	SENSOR MODULE
SME92	1FN1910-0AA20-2AA0	SENSOR MODULE
SME93	1FN1910-0AA20-3AA0	SENSOR MODULE
SME93 (PT1000)	1FN1910-0AA20-3AA3	SENSOR MODULE
SME94	1FN1910-0AA20-4AA0	SENSOR MODULE
SMC10	6SL3055-0AA00-5AA3	SENSOR MODULE
SMC20	6SL3055-0AA00-5BA3	SENSOR MODULE
SMC30	6SL3055-0AA00-5CA2	SENSOR MODULE
SMC40	6SL3055-0AA00-5DA0	SENSOR MODULE
SME20	6SL3055-0AA00-5EA3	SENSOR MODULE
SME25	6SL3055-0AA00-5HA3	SENSOR MODULE
SME120	6SL3055-0AA00-5JA3	SENSOR MODULE
SME125	6SL3055-0AA00-5KA3	SENSOR MODULE
SMI24	6SL3055-0AA00-5SA3	SENSOR MODULE
ENCODER (TTL, inc, RS422)	6FX2001-2CA50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2CB00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2CB02	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2CB25	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2CB50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2CC00	SENSOR

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ENCODER (TTL, inc, RS422)	6FX2001-2CC04	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2CC50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2CD60	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2CF00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2DA50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2DB00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2DB02	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2DB25	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2DB50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2DC00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2DC04	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2DC50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2DD60	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2DF00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2EA50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2EB00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2EB02	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2EB25	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2EB50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2EC00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2EC04	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2EC50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2ED60	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2EF00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2FA50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2FB00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2FB02	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2FB25	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2FB50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2FC00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2FC04	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2FC50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2FD60	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2FF00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2GA50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2GB00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2GB02	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2GB25	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2GB50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2GC00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2GC04	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2GC50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2GD60	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2GF00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2HA50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2HB00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2HB02	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2HB25	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2HB50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2HC00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2HC04	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2HC50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2HD60	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2HF00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2MA50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2MB00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2MB02	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2MB25	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2MB50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2MC00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2MC04	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2MC50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2MD60	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2MF00	SENSOR

ENCODER (TTL, inc, RS422)	6FX2001-2NA50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2NB00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2NB02	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2NB25	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2NB50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2NC00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2NC04	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2NC50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2ND60	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2NF00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2PA50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2PB00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2PB02	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2PB25	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2PB50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2PC00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2PC04	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2PC50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2PD60	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2PF00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2QA50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2QB00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2QB02	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2QB25	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2QB50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2QC00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2QC04	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2QC50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2QD60	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2QF00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2RA50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2RB00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2RB02	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2RB25	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2RB50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2RC00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2RC04	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2RC50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2RD60	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2RF00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2SA50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2SB00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2SB02	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2SB25	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2SB50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2SC00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2SC04	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2SC50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2SD60	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2SF00	SENSOR
ENCODER (sin/cos, inc, 1Vpp)	6FX2001-3CB00	SENSOR
ENCODER (sin/cos, inc, 1Vpp)	6FX2001-3CB02	SENSOR
ENCODER (sin/cos, inc, 1Vpp)	6FX2001-3CC50	SENSOR
ENCODER (sin/cos, inc, 1Vpp)	6FX2001-3EB00	SENSOR
ENCODER (sin/cos, inc, 1Vpp)	6FX2001-3EB02	SENSOR
ENCODER (sin/cos, inc, 1Vpp)	6FX2001-3EC50	SENSOR
ENCODER (sin/cos, inc, 1Vpp)	6FX2001-3GB00	SENSOR
ENCODER (sin/cos, inc, 1Vpp)	6FX2001-3GB02	SENSOR
ENCODER (sin/cos, inc, 1Vpp)	6FX2001-3GC50	SENSOR
ENCODER (HTL, inc)	6FX2001-4DA10	SENSOR
ENCODER (HTL, inc)	6FX2001-4DA50	SENSOR
ENCODER (HTL, inc)	6FX2001-4DB00	SENSOR
ENCODER (HTL, inc)	6FX2001-4DC50	SENSOR
ENCODER (HTL, inc)	6FX2001-4FA10	SENSOR

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ENCODER (HTL, inc)	6FX2001-4FA50	SENSOR
ENCODER (HTL, inc)	6FX2001-4FB00	SENSOR
ENCODER (HTL, inc)	6FX2001-4FC50	SENSOR
ENCODER (HTL, inc)	6FX2001-4HA10	SENSOR
ENCODER (HTL, inc)	6FX2001-4HA50	SENSOR
ENCODER (HTL, inc)	6FX2001-4HB00	SENSOR
ENCODER (HTL, inc)	6FX2001-4HC50	SENSOR
ENCODER (HTL, inc)	6FX2001-4NA10	SENSOR
ENCODER (HTL, inc)	6FX2001-4NA50	SENSOR
ENCODER (HTL, inc)	6FX2001-4NB00	SENSOR
ENCODER (HTL, inc)	6FX2001-4NC50	SENSOR
ENCODER (HTL, inc)	6FX2001-4QA10	SENSOR
ENCODER (HTL, inc)	6FX2001-4QA50	SENSOR
ENCODER (HTL, inc)	6FX2001-4QB00	SENSOR
ENCODER (HTL, inc)	6FX2001-4QC50	SENSOR
ENCODER (HTL, inc)	6FX2001-4SA10	SENSOR
ENCODER (HTL, inc)	6FX2001-4SA50	SENSOR
ENCODER (HTL, inc)	6FX2001-4SB00	SENSOR
ENCODER (HTL, inc)	6FX2001-4SC50	SENSOR
ENCODER (DP, abs, MT, 27 Bit)	6FX2001-5AP25	SENSOR
ENCODER (DQ, abs, ST, 22 Bit)	6FX2001-5FD13-0AA1	SENSOR
ENCODER (G95, abs, ST, 24 Bit)	6FX2001-5FD13-1AA0	SENSOR
ENCODER (DQ, abs, MT, 34 Bit)	6FX2001-5FD25-0AA1	SENSOR
ENCODER (G95, abs, MT, 36 Bit)	6FX2001-5FD25-1AA0	SENSOR
ENCODER (EnDat, abs, ST, 13 Bit)	6FX2001-5FE13	SENSOR
ENCODER (EnDat, abs, MT, 25 Bit)	6FX2001-5FE25	SENSOR
ENCODER (PN, abs, ST, 13 Bit)	6FX2001-5FN13	SENSOR
ENCODER (PN, abs, MT, 27 Bit)	6FX2001-5FN25	SENSOR
ENCODER (DP, abs, ST, 13 Bit)	6FX2001-5FP12	SENSOR
ENCODER (DP, abs, MT, 27 Bit)	6FX2001-5FP24	SENSOR
ENCODER (SSI, abs, ST, 13 Bit)	6FX2001-5FS12	SENSOR
ENCODER (SSI, abs, MT, 25 Bit)	6FX2001-5FS24	SENSOR
ENCODER (EnDat, abs, ST, 13 Bit)	6FX2001-5HE13	SENSOR
ENCODER (EnDat, abs, MT, 25 Bit)	6FX2001-5HE25	SENSOR
ENCODER (SSI, abs, ST, 13 Bit)	6FX2001-5HS12	SENSOR
ENCODER (SSI, abs, MT, 25 Bit)	6FX2001-5HS24	SENSOR
ENCODER (DP, abs, MT, 25 Bit)	6FX2001-5LP24	SENSOR
ENCODER (DP, abs, MT, 25 Bit)	6FX2001-5LP26	SENSOR
ENCODER (DQ, abs, ST, 22 Bit)	6FX2001-5QD13-0AA1	SENSOR
ENCODER (G95, abs, ST, 24 Bit)	6FX2001-5QD13-1AA0	SENSOR
ENCODER (DQ, abs, MT, 34 Bit)	6FX2001-5QD25-0AA1	SENSOR
ENCODER (G95, abs, MT, 36 Bit)	6FX2001-5QD25-1AA0	SENSOR
ENCODER (EnDat, abs, ST, 13 Bit)	6FX2001-5QE13	SENSOR
ENCODER (EnDat, abs, MT, 25 Bit)	6FX2001-5QE25	SENSOR
ENCODER (PN, abs, ST, 13 Bit)	6FX2001-5QN13	SENSOR
ENCODER (PN, abs, MT, 27 Bit)	6FX2001-5QN25	SENSOR
ENCODER (DP, abs, MT, 27 Bit)	6FX2001-5QP24	SENSOR
ENCODER (SSI, abs, ST, 13 Bit)	6FX2001-5QS12	SENSOR
ENCODER (SSI, abs, MT, 25 Bit)	6FX2001-5QS24	SENSOR
ENCODER (EnDat, abs, ST, 13 Bit)	6FX2001-5SE13	SENSOR
ENCODER (EnDat, abs, MT, 25 Bit)	6FX2001-5SE25	SENSOR
ENCODER (DP, abs, MT, 25 Bit)	6FX2001-5SP24	SENSOR
ENCODER (SSI, abs, ST, 13 Bit)	6FX2001-5SS12	SENSOR
ENCODER (SSI, abs, MT, 25 Bit)	6FX2001-5SS24	SENSOR
ENCODER (DQ, abs, ST, 22 Bit)	6FX2001-5VD13-0AA1	SENSOR
ENCODER (G95, abs, ST, 24 Bit)	6FX2001-5VD13-1AA0	SENSOR
ENCODER (DQ, abs, MT, 34 Bit)	6FX2001-5VD25-0AA1	SENSOR
ENCODER (G95, abs, MT, 36 Bit)	6FX2001-5VD25-1AA0	SENSOR
ENCODER (DQ, abs, ST, 22 Bit)	6FX2001-5WD13-0AA1	SENSOR
ENCODER (G95, abs, ST, 24 Bit)	6FX2001-5WD13-1AA0	SENSOR
ENCODER (DQ, abs, MT, 34 Bit)	6FX2001-5WD25-0AA1	SENSOR
ENCODER (G95, abs, MT, 36 Bit)	6FX2001-5WD25-1AA0	SENSOR
ENCODER (PN, abs, ST, 13 Bit)	6FX2001-5WN13	SENSOR
ENCODER (PN, abs, MT, 27 Bit)	6FX2001-5WN25	SENSOR

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ENCODER (DP, abs, ST, 13 Bit)	6FX2001-5WP12	SENSOR
ENCODER (DP, abs, MT, 27 Bit)	6FX2001-5WP24	SENSOR

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Anhang NSR
Appendix LVD

zur EU-Konformitätserklärung
to EU-Declaration of Conformity

Nr. / No. 664.MENRo.BF.02.1707.008

Produktfamilie: **SINAMICS Options**
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	Ausgabedatum
Reference number	*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: 2017
CE marking

Bezeichnung *Denomination*	**Bestell-Nr.** *Order No.*	**Beschreibung** *Description*
MOTOR CONNECTOR (3-30A)	6SL3162-2MA00-0AC0	ADAPTER KIT
MOTOR CONNECTOR (Push-In, 3-30A)	6SL3162-2MB00-0AC0	ADAPTER KIT
MOTOR CONNECTOR (Push-In, 3-30A, 10mm2)	6SL3162-2MC00-0AC0	ADAPTER KIT
MOTOR ADAPTER (C-/D-Type 2.5mm2)	6SL3162-2ME01-0AC0	ADAPTER KIT
MOTOR ADAPTER (C-/D-Type 6mm2)	6SL3162-2ME02-0AC0	ADAPTER KIT

CE-Kennzeichnung: 2016
CE marking

Bezeichnung *Denomination*	**Bestell-Nr.** *Order No.*	**Beschreibung** *Description*
AIM (ALM, 3AC, 380-480V, 50/60Hz, 160kW)	6SL3300-7TE32-6AA1	FILTER
AIM (ALM, 3AC, 380-480V, 50/60Hz, 235kW)	6SL3300-7TE33-8AA1	FILTER
AIM (ALM, 3AC, 380-480V, 50/60Hz, 300kW)	6SL3300-7TE35-0AA1	FILTER
SME91 (PT1000)	1FN1910-0AA20-1AA3	SENSOR MODULE
SME93 (PT1000)	1FN1910-0AA20-3AA3	SENSOR MODULE

CE-Kennzeichnung: 2013
CE marking

Bezeichnung *Denomination*	**Bestell-Nr.** *Order No.*	**Beschreibung** *Description*
LINE FILTER Cl.B (FSA, 3AC, 380-480V, 11.4A)	6SL3203-0BE17-7BA0	FILTER

LINE FILTER Cl.B (FSB, 3AC, 380-480V, 23.5A)	6SL3203-0BE21-8BA0	FILTER
LINE FILTER Cl.B (FSC, 3AC, 380-480V, 49.4A)	6SL3203-0BE23-8BA0	FILTER
LINE FILTER Cl.B (FSD, 3AC, 380-480V, 72.0A)	6SL3203-0BE27-5BA0	FILTER
LINE FILTER Cl.B (FSE, 3AC, 380-480V, 105.0A)	6SL3203-0BE31-1BA0	FILTER
LINE FILTER Cl.B (FSF, 3AC, 380-480V, 204.0A)	6SL3203-0BE31-8BA0	FILTER
MOTOR REACTOR (FSA, 3AC, 380-480V, 6.1A)	6SL3202-0AE16-1CA0	REACTOR
MOTOR REACTOR (FSA, 3AC, 380-480V, 9.0A)	6SL3202-0AE18-8CA0	REACTOR
MOTOR REACTOR (FSB, 3AC, 380-480V, 18.5A)	6SL3202-0AE21-8CA0	REACTOR
MOTOR REACTOR (FSC, 3AC, 380-480V, 39A)	6SL3202-0AE23-8CA0	REACTOR
BRAKING MODULE (600V DC, 100 KW)	6SL3100-1AE31-0AB1	BRAKING MODULE
TERMINAL SUPPLY ADAPTER (0.5-10mm2)	6SL3162-2BD00-0AA0	ADAPTER KIT
TERMINAL SUPPLY ADAPTER (35-95mm2)	6SL3162-2BM00-0AA0	ADAPTER KIT
DC LINK ADAPTER (35-95mm2)	6SL3162-2BM01-0AA0	ADAPTER KIT
DC LINK ADAPTER (35-95mm2)	6SL3162-2BM10-0AA0	ADAPTER KIT

CE-Kennzeichnung: 2012
CE marking

Bezeichnung *Denomination*	**Bestell-Nr.** *Order No.*	**Beschreibung** *Description*
LINE REACTOR (3AC, 660-690V, 107A)	6SL3000-0CH31-1AA0	REACTOR
LINE REACTOR (3AC, 660-690V, 154A)	6SL3000-0CH31-6AA0	REACTOR
BRAKING MODULE (600V DC, 100kW, Compact)	6SL3400-1AE31-0AA1	BRAKING MODULE
VSM 10	6SL3053-0AA00-3AA1	SENSOR MODULE

CE-Kennzeichnung: 2011
CE marking

Bezeichnung *Denomination*	**Bestell-Nr.** *Order No.*	**Beschreibung** *Description*
LINE REACTOR (SLM 55kW)	6SL3000-0CE25-5AA0	REACTOR
LINE REACTOR (3AC, 380-480V, 4.0A)	6SL3203-0CE13-2AA0	REACTOR
LINE REACTOR (3AC, 380-480V, 11.3A)	6SL3203-0CE21-0AA0	REACTOR
LINE REACTOR (3AC, 380-480V, 22.3A)	6SL3203-0CE21-8AA0	REACTOR
LINE REACTOR (3AC, 380-480V, 47.4A)	6SL3203-0CE23-8AA0	REACTOR
RESISTOR (370Ohm)	6SL3201-0BE14-3AA0	BRAKING RESISTOR
RESISTOR (140Ohm)	6SL3201-0BE21-0AA0	BRAKING RESISTOR
RESISTOR (75Ohm)	6SL3201-0BE21-8AA0	BRAKING RESISTOR
RESISTOR (30Ohm)	6SL3201-0BE23-8AA0	BRAKING RESISTOR
CONTROL SUPPLY MODULE (26V DC)	6SL3100-1DE22-0AA1	SUPPLY MODULE

CE-Kennzeichnung: 2009
CE marking

Bezeichnung *Denomination*	**Bestell-Nr.** *Order No.*	**Beschreibung** *Description*
BRAKING MODULE (900V DC, 100KW, Chassis)	6SL3300-1AF31-3AA0	BRAKING MODULE

CE-Kennzeichnung: 2008
CE marking

Bezeichnung *Denomination*	**Bestell-Nr.** *Order No.*	**Beschreibung** *Description*
AIM (ALM, 3AC, 380-480V, 50/60Hz, 16kW)	6SL3100-0BE21-6AB0	FILTER
AIM (ALM, 3AC, 380-480V, 50/60Hz, 36kW)	6SL3100-0BE23-6AB0	FILTER
ACTIVE LINE FILTER (120kW)	6SL3000-0BE31-2AA1	FILTER
SIN FILTER (FSA, 3AC, 380-480V, 3.5A)	6SL3202-0AE20-3SA0	FILTER

SIN FILTER (FSA, 3AC, 380-480V, 6.0A)	6SL3202-0AE20-6SA0	FILTER
SIN FILTER (FSB, 3AC, 380-480V, 9.0A)	6SL3202-0AE21-1SA0	FILTER
SIN FILTER (FSB, 3AC, 380-480V, 14.0A)	6SL3202-0AE21-4SA0	FILTER
SIN FILTER (FSC, 3AC, 380-480V, 20.0A)	6SL3202-0AE22-0SA0	FILTER
SIN FILTER (FSC, 3AC, 380-480V, 33.0A)	6SL3202-0AE23-3SA0	FILTER
SIN FILTER (FSD, 3AC, 380-480V, 47.0A)	6SL3202-0AE24-6SA0	FILTER
SIN FILTER (FSD, 3AC, 380-480V, 61.8A)	6SL3202-0AE26-2SA0	FILTER
SIN FILTER (FSE, 3AC, 380-480V, 92.0A)	6SL3202-0AE28-8SA0	FILTER
SIN FILTER (FSF, 3AC, 380-480V, 150.0A)	6SL3202-0AE31-5SA0	FILTER
SIN FILTER (FSF, 3AC, 380-480V, 182.0A)	6SL3202-0AE31-8SA0	FILTER
LINE REACTOR (HFD, 80kW)	6SL3000-0DE28-0AA1	REACTOR
LINE REACTOR (HFD, 120kW)	6SL3000-0DE31-2AA1	REACTOR
RESISTOR (FSB, 180Ohm)	6SL3201-0BE12-0AA0	BRAKING RESISTOR

CE-Kennzeichnung: 2007
CE marking

Bezeichnung *Denomination*	**Bestell-Nr.** *Order No.*	**Beschreibung** *Description*
AIM (ALM, 3AC, 380-480V, 50/60Hz, 55kW)	6SL3100-0BE25-5AB0	FILTER
AIM (ALM, 3AC, 380-480V, 50/60Hz, 80kW)	6SL3100-0BE28-0AB0	FILTER
AIM (ALM, 3AC, 380-480V, 50/60Hz, 120kW)	6SL3100-0BE31-2AB0	FILTER
BASIC LINE FILTER (36kW)	6SL3000-0BE23-6DA1	FILTER
BASIC LINE FILTER (120kW)	6SL3000-0BE31-2DA0	FILTER
LINE REACTOR (BLM 20kW)	6SL3000-0CE22-0AA0	REACTOR
LINE REACTOR (BLM 40kW)	6SL3000-0CE24-0AA0	REACTOR
LINE REACTOR (BLM 100kW)	6SL3000-0CE31-0AA0	REACTOR
VOLTAGE CLAMPING MODULE (600V DC)	6SL3100-1VE00-0AA0	ADAPTER KIT

CE-Kennzeichnung: 2006
CE marking

Bezeichnung *Denomination*	**Bestell-Nr.** *Order No.*	**Beschreibung** *Description*
LINE FILTER Cl.B (FSC, 3AC, 380-480V, 39.4A)	6SL3203-0BD23-8SA0	FILTER
LINE FILTER Cl.B (FSB, 3AC, 380-480V, 10.2A)	6SL3203-0BE21-6SA0	FILTER
LINE REACTOR (FSB, 3AC, 380-480V, 10A)	6SL3203-0CD21-0AA0	REACTOR
LINE REACTOR (FSB, 3AC, 200-480V, 14A)	6SL3203-0CD21-4AA0	REACTOR
LINE REACTOR (FSC, 3AC, 380-480V, 22A)	6SL3203-0CD22-2AA0	REACTOR
LINE REACTOR (FSC, 3AC, 200-480V, 35A)	6SL3203-0CD23-5AA0	REACTOR
LINE REACTOR (FSD, 3AC, 220-480V, 63A)	6SL3203-0CD25-3AA0	REACTOR
LINE REACTOR (FSD, 3AC, 380-600V, 47A)	6SL3203-0CJ24-5AA0	REACTOR
LINE REACTOR (FSE, 3AC, 380-600V, 94A)	6SL3203-0CJ28-6AA0	REACTOR
MOTOR REACTOR (Booksize, 9A)	6SL3000-2BE21-0AA0	REACTOR
MOTOR REACTOR (Booksize, 60A)	6SL3000-2BE26-0AA0	REACTOR
MOTOR REACTOR (FSC, 3AC, 200-600V, 35A)	6SL3202-0AJ23-2CA0	REACTOR
SME91	1FN1910-0AA20-1AA0	SENSOR MODULE
SME92	1FN1910-0AA20-2AA0	SENSOR MODULE
SME93	1FN1910-0AA20-3AA0	SENSOR MODULE
SME94	1FN1910-0AA20-4AA0	SENSOR MODULE

CE-Kennzeichnung: 2005
CE marking

Bezeichnung *Denomination*	**Bestell-Nr.** *Order No.*	**Beschreibung** *Description*
AIM (ALM, 3AC, 380-480V, 50/60Hz, 160kW)	6SL3300-7TE32-6AA0	FILTER
AIM (ALM, 3AC, 380-480V, 50/60Hz, 235kW)	6SL3300-7TE33-8AA0	FILTER
AIM (ALM, 3AC, 380-480V, 50/60Hz, 300kW)	6SL3300-7TE35-0AA0	FILTER

BASIC LINE FILTER (16kW)	6SL3000-0BE21-6DA0	FILTER
SIN FILTER (PX, 3AC, 380-480V, 50/60Hz, 225A)	6SL3000-2CE32-3AA0	FILTER
SIN FILTER (PX, 3AC, 380-480V, 50/60Hz, 276A)	6SL3000-2CE32-8AA0	FILTER
SIN FILTER (PX, 3AC, 380-480V, 50/60Hz, 333A)	6SL3000-2CE33-3AA0	FILTER
SIN FILTER (PX, 3AC, 380-480V, 50/60Hz, 408A)	6SL3000-2CE34-1AA0	FILTER
LINE REACTOR (SLM 16kW)	6SL3000-0CE21-6AA0	REACTOR
LINE REACTOR (SLM 36kW)	6SL3000-0CE23-6AA0	REACTOR
LINE REACTOR (HFD, 16kW)	6SL3000-0DE21-6AA0	REACTOR
LINE REACTOR (HFD, 55kW)	6SL3000-0DE25-5AA0	REACTOR
LINE REACTOR (HFD, 55kW)	6SL3000-0DE25-5AA1	REACTOR
LINE REACTOR (HFD, 80kW)	6SL3000-0DE28-0AA0	REACTOR
LINE REACTOR (120kW)	6SL3000-0DE31-2BA0	REACTOR
MOTOR REACTOR (3AC, 660-690V, 85/100A)	6SL3000-2AH31-0AA0	REACTOR
MOTOR REACTOR (3AC, 660-690V, 120/150A)	6SL3000-2AH31-5AA0	REACTOR
MOTOR REACTOR (3AC, 660-690V, 175A)	6SL3000-2AH31-8AA0	REACTOR
MOTOR REACTOR (3AC, 660-690V, 215A)	6SL3000-2AH32-4AA0	REACTOR
MOTOR REACTOR (3AC, 660-690V, 260A)	6SL3000-2AH32-6AA0	REACTOR
MOTOR REACTOR (3AC, 380-480V, 210A)	6SL3000-2BE32-1AA0	REACTOR
MOTOR REACTOR (3AC, 380-480V, 260A)	6SL3000-2BE32-6AA0	REACTOR
MOTOR REACTOR (3AC, 380-480V, 310A)	6SL3000-2BE33-2AA0	REACTOR
MOTOR REACTOR (3AC, 380-480V, 380A)	6SL3000-2BE33-8AA0	REACTOR
MOTOR REACTOR (3AC, 380-480V, 490A)	6SL3000-2BE33-8AA0	REACTOR
HFD RESISTOR (15Ohm, 800W)	6SL3100-1BE21-3AA0	BRAKING RESISTOR
BRAKING MODULE (860V DC, 250kW, Chassis)	6SL3300-1AF32-5AA0	BRAKING MODULE
BRAKING MODULE (860V DC, 250kW, Chassis)	6SL3300-1AF32-5BA0	BRAKING MODULE

CE-Kennzeichnung: 2004
CE marking

Bezeichnung *Denomination*	**Bestell-Nr.** *Order No.*	**Beschreibung** *Description*
LINE FILTER (SLM, 5kW, 3AC, 380-480V)	6SL3000-0HE15-0AA0	FILTER
LINE FILTER (SLM, 10kW, 3AC, 380-480V)	6SL3000-0HE21-0AA0	FILTER
LINE REACTOR (SLM 5kW)	6SL3000-0CE15-0AA0	REACTOR
LINE REACTOR (SLM 10kW)	6SL3000-0CE21-0AA0	REACTOR
LINE REACTOR (3AC, 660-690V, 223A)	6SL3000-0CH32-2AA0	REACTOR
LINE REACTOR (3AC, 660-690V, 270A)	6SL3000-0CH32-7AA0	REACTOR
RESISTOR (620V DC, 20kW, 20Ohm)	6SE7023-2ES87-2DC0	BRAKING RESISTOR
RESISTOR (620V DC, 50kW, 8Ohm)	6SE7028-0ES87-2DC0	BRAKING RESISTOR
RESISTOR (600V DC, 125kW, 4.4Ohm)	6SL3000-1BE31-3AA0	BRAKING RESISTOR
RESISTOR (600V DC, 250kW, 2.2Ohm)	6SL3000-1BE32-5AA0	BRAKING RESISTOR
RESISTOR (1035V DC, 125kW, 9.8Ohm)	6SL3000-1BH31-3AA0	BRAKING RESISTOR
RESISTOR (1035V DC, 250kW, 4.9Ohm)	6SL3000-1BH32-5AA0	BRAKING RESISTOR
RESISTOR (600V DC, 1.5/100kW)	6SL3100-1BE31-0AA0	BRAKING RESISTOR
BRAKING MODULE (600V DC, 125KW, Chassis)	6SL3300-1AE31-3AA0	BRAKING MODULE
BRAKING MODULE (600V DC, 250KW, Chassis)	6SL3300-1AE32-5AA0	BRAKING MODULE
BRAKING MODULE (600V DC, 250KW, Chassis)	6SL3300-1AE32-5BA0	BRAKING MODULE
BRAKING MODULE (1035V DC, 125kW, Chassis)	6SL3300-1AH31-3AA0	BRAKING MODULE
BRAKING MODULE (1035V DC, 250kW, Chassis)	6SL3300-1AH32-5AA0	BRAKING MODULE
BRAKING MODULE (1035V DC, 250kW, Chassis)	6SL3300-1AH32-5BA0	BRAKING MODULE
CAPACITOR MODULE (600V DC, 4000uF)	6SL3100-1CE14-0AA0	CAPACITOR MODULE

CE-Kennzeichnung: 2003
CE marking

Bezeichnung *Denomination*	**Bestell-Nr.** *Order No.*	**Beschreibung** *Description*
ACTIVE LINE FILTER (16kW)	6SL3000-0BE21-6AA0	FILTER
ACTIVE LINE FILTER (36kW)	6SL3000-0BE23-6AA0	FILTER
ACTIVE LINE FILTER (55kW)	6SL3000-0BE25-5AA0	FILTER
ACTIVE LINE FILTER (80kW)	6SL3000-0BE28-0AA0	FILTER

LINE REACTOR (HFD, 36kW)	6SL3000-0DE23-6AA0	REACTOR
PULSED RESISTOR (600V DC, 15.6OHM)	6SL3100-1BE22-5AA0	BRAKING RESISTOR

CE-Kennzeichnung: 2002
CE marking

Bezeichnung *Denomination*	**Bestell-Nr.** *Order No.*	**Beschreibung** *Description*
LINE FILTER (PX, 3AC, 380-480V, 50/60Hz, 440A)	6SL3000-0BE34-4AA0	FILTER
LINE FILTER (PX, 3AC, 380-480V, 50/60Hz, 600A)	6SL3000-0BE36-0AA0	FILTER
LINE REACTOR (PX, 3AC, 380-480V, 225A)	6SL3000-0CE32-3AA0	REACTOR
LINE REACTOR (3AC, 380-480V, 278A)	6SL3000-0CE32-8AA0	REACTOR
LINE REACTOR (3AC, 380-480V, 332A)	6SL3000-0CE33-3AA0	REACTOR
LINE REACTOR (3AC, 380-480V, 509A)	6SL3000-0CE35-1AA0	REACTOR

SIEMENS

Anhang RoHS
Appendix RoHS

zur EU-Konformitätserklärung
to EU-Declaration of Conformity

Nr. / No. 664.MENRo.BF.02.1707.008

Produktfamilie: **SINAMICS Options**
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	Ausgabedatum
Reference number	*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*
AIM (ALM, 3AC, 380-480V, 50/60Hz, 16kW)	6SL3100-0BE21-6AB0	FILTER
AIM (ALM, 3AC, 380-480V, 50/60Hz, 36kW)	6SL3100-0BE23-6AB0	FILTER
AIM (ALM, 3AC, 380-480V, 50/60Hz, 55kW)	6SL3100-0BE25-5AB0	FILTER
AIM (ALM, 3AC, 380-480V, 50/60Hz, 80kW)	6SL3100-0BE28-0AB0	FILTER
AIM (ALM, 3AC, 380-480V, 50/60Hz, 120kW)	6SL3100-0BE31-2AB0	FILTER
AIM (ALM, 3AC, 380-480V, 50/60Hz, 160kW)	6SL3300-7TE32-6AA1	FILTER
AIM (ALM, 3AC, 380-480V, 50/60Hz, 235kW)	6SL3300-7TE33-8AA1	FILTER
AIM (ALM, 3AC, 380-480V, 50/60Hz, 300kW)	6SL3300-7TE35-0AA1	FILTER
BASIC LINE FILTER (16kW)	6SL3000-0BE21-6DA0	FILTER
BASIC LINE FILTER (36kW)	6SL3000-0BE23-6DA1	FILTER
BASIC LINE FILTER (120kW)	6SL3000-0BE31-2DA0	FILTER
LINE FILTER (PX, 3AC, 380-480V, 50/60Hz, 440A)	6SL3000-0BE34-4AA0	FILTER
LINE FILTER (PX, 3AC, 380-480V, 50/60Hz, 600A)	6SL3000-0BE36-0AA0	FILTER
LINE FILTER (SLM, 5kW, 3AC, 380-480V)	6SL3000-0HE15-0AA0	FILTER
LINE FILTER (SLM, 10kW, 3AC, 380-480V)	6SL3000-0HE21-0AA0	FILTER
LINE FILTER Cl.B (FSC, 3AC, 380-480V, 39.4A)	6SL3203-0BD23-8SA0	FILTER
LINE FILTER Cl.B (FSA, 3AC, 380-480V, 11.4A)	6SL3203-0BE17-7BA0	FILTER
LINE FILTER Cl.B (FSB, 3AC, 380-480V, 10.2A)	6SL3203-0BE21-6SA0	FILTER
LINE FILTER Cl.B (FSB, 3AC, 380-480V, 23.5A)	6SL3203-0BE21-8BA0	FILTER
LINE FILTER Cl.B (FSC, 3AC, 380-480V, 49.4A)	6SL3203-0BE23-8BA0	FILTER
LINE FILTER Cl.B (FSD, 3AC, 380-480V, 72.0A)	6SL3203-0BE27-5BA0	FILTER
LINE FILTER Cl.B (FSE, 3AC, 380-480V, 105.0A)	6SL3203-0BE31-1BA0	FILTER
LINE FILTER Cl.B (FSF, 3AC, 380-480V, 204.0A)	6SL3203-0BE31-8BA0	FILTER
SIN FILTER (PX, 3AC, 380-480V, 50/60Hz, 225A)	6SL3000-2CE32-3AA0	FILTER
SIN FILTER (PX, 3AC, 380-480V, 50/60Hz, 276A)	6SL3000-2CE32-8AA0	FILTER
SIN FILTER (PX, 3AC, 380-480V, 50/60Hz, 333A)	6SL3000-2CE33-3AA0	FILTER
SIN FILTER (PX, 3AC, 380-480V, 50/60Hz, 408A)	6SL3000-2CE34-1AA0	FILTER
SIN FILTER (FSA, 3AC, 380-480V, 3.5A)	6SL3202-0AE20-3SA0	FILTER
SIN FILTER (FSA, 3AC, 380-480V, 6.0A)	6SL3202-0AE20-6SA0	FILTER

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SIN FILTER (FSB, 3AC, 380-480V, 9.0A)	6SL3202-0AE21-1SA0	FILTER
SIN FILTER (FSB, 3AC, 380-480V, 14.0A)	6SL3202-0AE21-4SA0	FILTER
SIN FILTER (FSC, 3AC, 380-480V, 20.0A)	6SL3202-0AE22-0SA0	FILTER
SIN FILTER (FSC, 3AC, 380-480V, 33.0A)	6SL3202-0AE23-3SA0	FILTER
SIN FILTER (FSD, 3AC, 380-480V, 47.0A)	6SL3202-0AE24-6SA0	FILTER
SIN FILTER (FSD, 3AC, 380-480V, 61.8A)	6SL3202-0AE26-2SA0	FILTER
SIN FILTER (FSE, 3AC, 380-480V, 92.0A)	6SL3202-0AE28-8SA0	FILTER
SIN FILTER (FSF, 3AC, 380-480V, 150.0A)	6SL3202-0AE31-5SA0	FILTER
SIN FILTER (FSF, 3AC, 380-480V, 182.0A)	6SL3202-0AE31-8SA0	FILTER
LINE REACTOR (SLM 5kW)	6SL3000-0CE15-0AA0	REACTOR
LINE REACTOR (SLM 10kW)	6SL3000-0CE21-0AA0	REACTOR
LINE REACTOR (SLM 16kW)	6SL3000-0CE21-6AA0	REACTOR
LINE REACTOR (BLM 20kW)	6SL3000-0CE22-0AA0	REACTOR
LINE REACTOR (SLM 36kW)	6SL3000-0CE23-6AA0	REACTOR
LINE REACTOR (BLM 40kW)	6SL3000-0CE24-0AA0	REACTOR
LINE REACTOR (SLM 55kW)	6SL3000-0CE25-5AA0	REACTOR
LINE REACTOR (BLM 100kW)	6SL3000-0CE31-0AA0	REACTOR
LINE REACTOR (PX, 3AC, 380-480V, 225A)	6SL3000-0CE32-3AA0	REACTOR
LINE REACTOR (3AC, 380-480V, 278A)	6SL3000-0CE32-8AA0	REACTOR
LINE REACTOR (3AC, 380-480V, 332A)	6SL3000-0CE33-3AA0	REACTOR
LINE REACTOR (3AC, 380-480V, 509A)	6SL3000-0CE35-1AA0	REACTOR
LINE REACTOR (3AC, 660-690V, 107A)	6SL3000-0CH31-1AA0	REACTOR
LINE REACTOR (3AC, 660-690V, 154A)	6SL3000-0CH31-6AA0	REACTOR
LINE REACTOR (3AC, 660-690V, 223A)	6SL3000-0CH32-2AA0	REACTOR
LINE REACTOR (3AC, 660-690V, 270A)	6SL3000-0CH32-7AA0	REACTOR
LINE REACTOR (HFD, 16kW)	6SL3000-0DE21-6AA0	REACTOR
LINE REACTOR (HFD, 36kW)	6SL3000-0DE23-6AA0	REACTOR
LINE REACTOR (HFD, 55kW)	6SL3000-0DE25-5AA1	REACTOR
LINE REACTOR (HFD, 80kW)	6SL3000-0DE28-0AA1	REACTOR
LINE REACTOR (HFD, 120kW)	6SL3000-0DE31-2AA1	REACTOR
LINE REACTOR (FSB, 3AC, 380-480V, 10A)	6SL3203-0CD21-0AA0	REACTOR
LINE REACTOR (FSB, 3AC, 200-480V, 14A)	6SL3203-0CD21-4AA0	REACTOR
LINE REACTOR (FSC, 3AC, 380-480V, 22A)	6SL3203-0CD22-2AA0	REACTOR
LINE REACTOR (FSC, 3AC, 200-480V, 35A)	6SL3203-0CD23-5AA0	REACTOR
LINE REACTOR (FSD, 3AC, 220-480V, 63A)	6SL3203-0CD25-3AA0	REACTOR
LINE REACTOR (3AC, 380-480V, 4.0A)	6SL3203-0CE13-2AA0	REACTOR
LINE REACTOR (3AC, 380-480V, 11.3A)	6SL3203-0CE21-0AA0	REACTOR
LINE REACTOR (3AC, 380-480V, 22.3A)	6SL3203-0CE21-8AA0	REACTOR
LINE REACTOR (3AC, 380-480V, 47.4A)	6SL3203-0CE23-8AA0	REACTOR
LINE REACTOR (FSD, 3AC, 380-600V, 47A)	6SL3203-0CJ24-5AA0	REACTOR
LINE REACTOR (FSE, 3AC, 380-600V, 94A)	6SL3203-0CJ28-6AA0	REACTOR
MOTOR REACTOR (3AC, 660-690V, 85/100A)	6SL3000-2AH31-0AA0	REACTOR
MOTOR REACTOR (3AC, 660-690V, 120/150A)	6SL3000-2AH31-5AA0	REACTOR
MOTOR REACTOR (3AC, 660-690V, 175A)	6SL3000-2AH31-8AA0	REACTOR
MOTOR REACTOR (3AC, 660-690V, 215A)	6SL3000-2AH32-4AA0	REACTOR
MOTOR REACTOR (3AC, 660-690V, 260A)	6SL3000-2AH32-6AA0	REACTOR
MOTOR REACTOR (Booksize, 9A)	6SL3000-2BE21-0AA0	REACTOR
MOTOR REACTOR (Booksize, 60A)	6SL3000-2BE26-0AA0	REACTOR
MOTOR REACTOR (3AC, 380-480V, 210A)	6SL3000-2BE32-1AA0	REACTOR
MOTOR REACTOR (3AC, 380-480V, 260A)	6SL3000-2BE32-6AA0	REACTOR
MOTOR REACTOR (3AC, 380-480V, 310A)	6SL3000-2BE33-2AA0	REACTOR
MOTOR REACTOR (3AC, 380-480V, 380A)	6SL3000-2BE33-8AA0	REACTOR
MOTOR REACTOR (3AC, 380-480V, 490A)	6SL3000-2BE33-8AA0	REACTOR
MOTOR REACTOR (FSA, 3AC, 380-480V, 6.1A)	6SL3202-0AE16-1CA0	REACTOR
MOTOR REACTOR (FSA, 3AC, 380-480V, 9.0A)	6SL3202-0AE18-8CA0	REACTOR
MOTOR REACTOR (FSB, 3AC, 380-480V, 18.5A)	6SL3202-0AE21-8CA0	REACTOR
MOTOR REACTOR (FSC, 3AC, 380-480V, 39A)	6SL3202-0AE23-8CA0	REACTOR
MOTOR REACTOR (FSC, 3AC, 200-600V, 35A)	6SL3202-0AJ23-2CA0	REACTOR
RESISTOR (620V DC, 20kW, 20Ohm)	6SE7023-2ES87-2DC0	BRAKING RESISTOR
RESISTOR (620V DC, 50kW, 8Ohm)	6SE7028-0ES87-2DC0	BRAKING RESISTOR
RESISTOR (600V DC, 125kW, 4.4Ohm)	6SL3000-1BE31-3AA0	BRAKING RESISTOR
RESISTOR (600V DC, 250kW, 2.2Ohm)	6SL3000-1BE32-5AA0	BRAKING RESISTOR
RESISTOR (1035V DC, 125kW, 9.8Ohm)	6SL3000-1BH31-3AA0	BRAKING RESISTOR
RESISTOR (1035V DC, 250kW, 4.9Ohm)	6SL3000-1BH32-5AA0	BRAKING RESISTOR

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HFD RESISTOR (15Ohm, 800W)	6SL3100-1BE21-3AA0	BRAKING RESISTOR
RESISTOR (600V DC, 1.5/100kW)	6SL3100-1BE31-0AA0	BRAKING RESISTOR
RESISTOR (FSB, 180Ohm)	6SL3201-0BE12-0AA0	BRAKING RESISTOR
RESISTOR (370Ohm)	6SL3201-0BE14-3AA0	BRAKING RESISTOR
RESISTOR (140Ohm)	6SL3201-0BE21-0AA0	BRAKING RESISTOR
RESISTOR (75Ohm)	6SL3201-0BE21-8AA0	BRAKING RESISTOR
RESISTOR (30Ohm)	6SL3201-0BE23-8AA0	BRAKING RESISTOR
BRAKING MODULE (600V DC, 100 KW)	6SL3100-1AE31-0AB1	BRAKING MODULE
BRAKING MODULE (600V DC, 125KW, Chassis)	6SL3300-1AE31-3AA0	BRAKING MODULE
BRAKING MODULE (600V DC, 250KW, Chassis)	6SL3300-1AE32-5AA0	BRAKING MODULE
BRAKING MODULE (600V DC, 250KW, Chassis)	6SL3300-1AE32-5BA0	BRAKING MODULE
BRAKING MODULE (900V DC, 100KW, Chassis)	6SL3300-1AF31-3AA0	BRAKING MODULE
BRAKING MODULE (860V DC, 250kW, Chassis)	6SL3300-1AF32-5AA0	BRAKING MODULE
BRAKING MODULE (860V DC, 250kW, Chassis)	6SL3300-1AF32-5BA0	BRAKING MODULE
BRAKING MODULE (1035V DC, 125kW, Chassis)	6SL3300-1AH31-3AA0	BRAKING MODULE
BRAKING MODULE (1035V DC, 250kW, Chassis)	6SL3300-1AH32-5AA0	BRAKING MODULE
BRAKING MODULE (1035V DC, 250kW, Chassis)	6SL3300-1AH32-5BA0	BRAKING MODULE
BRAKING MODULE (600V DC, 100kW, Compact)	6SL3400-1AE31-0AA1	BRAKING MODULE
CAPACITOR MODULE (600V DC, 4000uF)	6SL3100-1CE14-0AA0	CAPACITOR MODULE
CONTROL SUPPLY MODULE (26V DC)	6SL3100-1DE22-0AA1	SUPPLY MODULE
EXTERNAL FAN UNIT (24V DC, 18W, COMBI)	6SL3161-0EP00-0AA0	ADAPTER KIT
TERMINAL SUPPLY ADAPTER (0.5-10mm2)	6SL3162-2BD00-0AA0	ADAPTER KIT
TERMINAL SUPPLY ADAPTER (35-95mm2)	6SL3162-2BM00-0AA0	ADAPTER KIT
DC LINK ADAPTER (35-95mm2)	6SL3162-2BM01-0AA0	ADAPTER KIT
DC LINK ADAPTER (35-95mm2)	6SL3162-2BM10-0AA0	ADAPTER KIT
MOTOR CONNECTOR (3-30A)	6SL3162-2MA00-0AC0	ADAPTER KIT
MOTOR CONNECTOR (Push-In, 3-30A)	6SL3162-2MB00-0AC0	ADAPTER KIT
MOTOR CONNECTOR (Push-In, 3-30A, 10mm2)	6SL3162-2MC00-0AC0	ADAPTER KIT
MOTOR ADAPTER (C-/D-Type 2.5mm2)	6SL3162-2ME01-0AC0	ADAPTER KIT
MOTOR ADAPTER (C-/D-Type 6mm2)	6SL3162-2ME02-0AC0	ADAPTER KIT
SAFE BRAKE RELAY	6SL3252-0BB00-0AA0	ADAPTER KIT
SAFE BRAKE RELAY	6SL3252-0BB01-0AA0	ADAPTER KIT
PC-INVERTER-CONNECTION KIT	6SL3255-0AA00-2AA1	ADAPTER KIT
PC-INVERTRE-CONNECTION KIT	6SL3255-0AA00-2CA0	ADAPTER KIT
USB-INTERFACE CABLE	6SL3555-0PA00-2AA0	ADAPTER KIT
VSM 10	6SL3053-0AA00-3AA1	SENSOR MODULE
COMPACTFLASH (S120)	6SL3054-0ED00-1BA0	MEMORY
COMPACTFLASH (S120)	6SL3054-0ED01-1BA0	MEMORY
COMPACTFLASH (S120)	6SL3054-0EE00-1BA0	MEMORY
COMPACTFLASH (S120)	6SL3054-0EE01-1BA0	MEMORY
COMPACTFLASH (S120)	6SL3054-0EF00-1BA0	MEMORY
COMPACTFLASH (S120)	6SL3054-0EF01-1BA0	MEMORY
COMPACTFLASH (S120)	6SL3054-0EG00-1BA0	MEMORY
COMPACTFLASH (S120)	6SL3054-0EG01-1BA0	MEMORY
COMPACTFLASH (S120, 2GB)	6SL3054-0EH00-1BA0	MEMORY
COMPACTFLASH (S120, 2GB)	6SL3054-0EH01-1BA0	MEMORY
COMPACTFLASH (S120)	6SL3054-0TA00-1BA0	MEMORY
COMPACTFLASH (S120)	6SL3054-0TA01-1BA0	MEMORY
MMC (64MB)	6SL3054-4AG00-0AA0	MEMORY
SD-Card (512MB)	6SL3054-4AG00-2AA0	MEMORY
SD-Card (512MB, FW 4.6)	6SL3054-7EG00-2BA0	MEMORY
SD-Card (512MB, FW 4.7)	6SL3054-7EH00-2BA0	MEMORY
BOP-20	6SL3055-0AA00-4BA0	PANEL
BOP	6SL3255-0AA00-4BA1	PANEL
BOP-2	6SL3255-0AA00-4CA1	PANEL
IOP (hand held kit)	6SL3255-0AA00-4HA0	PANEL
IOP	6SL3255-0AA00-4JA1	PANEL
IOP-2	6SL3255-0AA00-4JA2	PANEL
IOP (Chinese)	6SL3255-0AA00-4JC1	PANEL
DMC20	6SL3055-0AA00-6AA1	CONTROLLER
DME20 (IP67)	6SL3055-0AA00-6AB0	CONTROLLER
TM31	6SL3055-0AA00-3AA1	TERMINAL MODULE
TM54F	6SL3055-0AA00-3BA0	TERMINAL MODULE
TM15	6SL3055-0AA00-3FA0	TERMINAL MODULE

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TM120	6SL3055-0AA00-3KA0	TERMINAL MODULE
TM41	6SL3055-0AA00-3PA1	TERMINAL MODULE
CBC10 (CAN)	6SL3055-0AA00-2CA0	CONTROLLER
CBE20 (PN)	6SL3055-0AA00-2EB0	CONTROLLER
HLA	6SL3420-2HX00-0AA0	CONTROLLER
SME91	1FN1910-0AA20-1AA0	SENSOR MODULE
SME91 (PT1000)	1FN1910-0AA20-1AA3	SENSOR MODULE
SME92	1FN1910-0AA20-2AA0	SENSOR MODULE
SME93	1FN1910-0AA20-3AA0	SENSOR MODULE
SME93 (PT1000)	1FN1910-0AA20-3AA3	SENSOR MODULE
SME94	1FN1910-0AA20-4AA0	SENSOR MODULE
SMC10	6SL3055-0AA00-5AA3	SENSOR MODULE
SMC20	6SL3055-0AA00-5BA3	SENSOR MODULE
SMC30	6SL3055-0AA00-5CA2	SENSOR MODULE
SMC40	6SL3055-0AA00-5DA0	SENSOR MODULE
SME20	6SL3055-0AA00-5EA3	SENSOR MODULE
SME25	6SL3055-0AA00-5HA3	SENSOR MODULE
SME120	6SL3055-0AA00-5JA3	SENSOR MODULE
SME125	6SL3055-0AA00-5KA3	SENSOR MODULE
SMI24	6SL3055-0AA00-5SA3	SENSOR MODULE
ENCODER (TTL, inc, RS422)	6FX2001-2CA50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2CB00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2CB02	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2CB25	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2CB50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2CC00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2CC04	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2CC50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2CD60	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2CF00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2DA50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2DB00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2DB02	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2DB25	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2DB50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2DC00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2DC04	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2DC50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2DD60	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2DF00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2EA50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2EB00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2EB02	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2EB25	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2EB50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2EC00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2EC04	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2EC50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2ED60	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2EF00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2FA50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2FB00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2FB02	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2FB25	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2FB50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2FC00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2FC04	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2FC50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2FD60	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2FF00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2GA50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2GB00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2GB02	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2GB25	SENSOR

ENCODER (TTL, inc, RS422)	6FX2001-2GB50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2GC00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2GC04	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2GC50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2GD60	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2GF00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2HA50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2HB00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2HB02	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2HB25	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2HB50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2HC00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2HC04	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2HC50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2HD60	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2HF00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2MA50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2MB00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2MB02	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2MB25	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2MB50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2MC00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2MC04	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2MC50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2MD60	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2MF00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2NA50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2NB00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2NB02	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2NB25	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2NB50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2NC00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2NC04	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2NC50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2ND60	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2NF00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2PA50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2PB00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2PB02	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2PB25	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2PB50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2PC00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2PC04	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2PC50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2PD60	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2PF00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2QA50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2QB00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2QB02	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2QB25	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2QB50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2QC00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2QC04	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2QC50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2QD60	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2QF00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2RA50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2RB00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2RB02	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2RB25	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2RB50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2RC00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2RC04	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2RC50	SENSOR

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ENCODER (TTL, inc, RS422)	6FX2001-2RD60	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2RF00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2SA50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2SB00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2SB02	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2SB25	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2SB50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2SC00	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2SC04	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2SC50	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2SD60	SENSOR
ENCODER (TTL, inc, RS422)	6FX2001-2SF00	SENSOR
ENCODER (sin/cos, inc, 1Vpp)	6FX2001-3CB00	SENSOR
ENCODER (sin/cos, inc, 1Vpp)	6FX2001-3CB02	SENSOR
ENCODER (sin/cos, inc, 1Vpp)	6FX2001-3CC50	SENSOR
ENCODER (sin/cos, inc, 1Vpp)	6FX2001-3EB00	SENSOR
ENCODER (sin/cos, inc, 1Vpp)	6FX2001-3EB02	SENSOR
ENCODER (sin/cos, inc, 1Vpp)	6FX2001-3EC50	SENSOR
ENCODER (sin/cos, inc, 1Vpp)	6FX2001-3GB00	SENSOR
ENCODER (sin/cos, inc, 1Vpp)	6FX2001-3GB02	SENSOR
ENCODER (sin/cos, inc, 1Vpp)	6FX2001-3GC50	SENSOR
REPLACEMENT KIT (Synchronous Motors)	6FX2001-3JC04-1DA0	SPARE PART
REPLACEMENT KIT (Synchronous Motors)	6FX2001-3JC04-1QA0	SPARE PART
REPLACEMENT KIT (Synchronous Motors)	6FX2001-3JC22-3QA0	SPARE PART
REPLACEMENT KIT (Synchronous Motors)	6FX2001-3JC22-4DA0	SPARE PART
ENCODER (HTL, inc)	6FX2001-4DA10	SENSOR
ENCODER (HTL, inc)	6FX2001-4DA50	SENSOR
ENCODER (HTL, inc)	6FX2001-4DB00	SENSOR
ENCODER (HTL, inc)	6FX2001-4DC50	SENSOR
ENCODER (HTL, inc)	6FX2001-4FA10	SENSOR
ENCODER (HTL, inc)	6FX2001-4FA50	SENSOR
ENCODER (HTL, inc)	6FX2001-4FB00	SENSOR
ENCODER (HTL, inc)	6FX2001-4FC50	SENSOR
ENCODER (HTL, inc)	6FX2001-4HA10	SENSOR
ENCODER (HTL, inc)	6FX2001-4HA50	SENSOR
ENCODER (HTL, inc)	6FX2001-4HB00	SENSOR
ENCODER (HTL, inc)	6FX2001-4HC50	SENSOR
ENCODER (HTL, inc)	6FX2001-4NA10	SENSOR
ENCODER (HTL, inc)	6FX2001-4NA50	SENSOR
ENCODER (HTL, inc)	6FX2001-4NB00	SENSOR
ENCODER (HTL, inc)	6FX2001-4NC50	SENSOR
ENCODER (HTL, inc)	6FX2001-4QA10	SENSOR
ENCODER (HTL, inc)	6FX2001-4QA50	SENSOR
ENCODER (HTL, inc)	6FX2001-4QB00	SENSOR
ENCODER (HTL, inc)	6FX2001-4QC50	SENSOR
ENCODER (HTL, inc)	6FX2001-4SA10	SENSOR
ENCODER (HTL, inc)	6FX2001-4SA50	SENSOR
ENCODER (HTL, inc)	6FX2001-4SB00	SENSOR
ENCODER (HTL, inc)	6FX2001-4SC50	SENSOR
ENCODER (DQ, abs, ST, 22 Bit)	6FX2001-5FD13-0AA1	SENSOR
ENCODER (G95, abs, ST, 24 Bit)	6FX2001-5FD13-1AA0	SENSOR
ENCODER (DQ, abs, MT, 34 Bit)	6FX2001-5FD25-0AA1	SENSOR
ENCODER (G95, abs, MT, 36 Bit)	6FX2001-5FD25-1AA0	SENSOR
ENCODER (EnDat, abs, ST, 13 Bit)	6FX2001-5FE13	SENSOR
ENCODER (EnDat, abs, MT, 25 Bit)	6FX2001-5FE25	SENSOR
ENCODER (PN, abs, ST, 13 Bit)	6FX2001-5FN13	SENSOR
ENCODER (PN, abs, MT, 27 Bit)	6FX2001-5FN25	SENSOR
ENCODER (DP, abs, ST, 13 Bit)	6FX2001-5FP12	SENSOR
ENCODER (DP, abs, MT, 27 Bit)	6FX2001-5FP24	SENSOR
ENCODER (SSI, abs, ST, 13 Bit)	6FX2001-5FS12	SENSOR
ENCODER (SSI, abs, MT, 25 Bit)	6FX2001-5FS24	SENSOR
ENCODER (EnDat, abs, ST, 13 Bit)	6FX2001-5HE13	SENSOR
ENCODER (EnDat, abs, MT, 25 Bit)	6FX2001-5HE25	SENSOR
ENCODER (SSI, abs, ST, 13 Bit)	6FX2001-5HS12	SENSOR

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ENCODER (SSI, abs, MT, 25 Bit)	6FX2001-5HS24	SENSOR
REPLACEMENT KIT (Synchronous Motors)	6FX2001-5JD24-2DA0	SPARE PART
REPLACEMENT KIT (Synchronous Motors)	6FX2001-5JD24-2QA0	SPARE PART
ENCODER (DQ, abs, ST, 22 Bit)	6FX2001-5QD13-0AA1	SENSOR
ENCODER (G95, abs, ST, 24 Bit)	6FX2001-5QD13-1AA0	SENSOR
ENCODER (DQ, abs, MT, 34 Bit)	6FX2001-5QD25-0AA1	SENSOR
ENCODER (G95, abs, MT, 36 Bit)	6FX2001-5QD25-1AA0	SENSOR
ENCODER (EnDat, abs, ST, 13 Bit)	6FX2001-5QE13	SENSOR
ENCODER (EnDat, abs, MT, 25 Bit)	6FX2001-5QE25	SENSOR
ENCODER (PN, abs, ST, 13 Bit)	6FX2001-5QN13	SENSOR
ENCODER (PN, abs, MT, 27 Bit)	6FX2001-5QN25	SENSOR
ENCODER (DP, abs, MT, 27 Bit)	6FX2001-5QP24	SENSOR
ENCODER (SSI, abs, ST, 13 Bit)	6FX2001-5QS12	SENSOR
ENCODER (SSI, abs, MT, 25 Bit)	6FX2001-5QS24	SENSOR
ENCODER (EnDat, abs, ST, 13 Bit)	6FX2001-5SE13	SENSOR
ENCODER (EnDat, abs, MT, 25 Bit)	6FX2001-5SE25	SENSOR
ENCODER (SSI, abs, ST, 13 Bit)	6FX2001-5SS12	SENSOR
ENCODER (SSI, abs, MT, 25 Bit)	6FX2001-5SS24	SENSOR
ENCODER (DQ, abs, ST, 22 Bit)	6FX2001-5VD13-0AA1	SENSOR
ENCODER (G95, abs, ST, 24 Bit)	6FX2001-5VD13-1AA0	SENSOR
ENCODER (DQ, abs, MT, 34 Bit)	6FX2001-5VD25-0AA1	SENSOR
ENCODER (G95, abs, MT, 36 Bit)	6FX2001-5VD25-1AA0	SENSOR
ENCODER (DQ, abs, ST, 22 Bit)	6FX2001-5WD13-0AA1	SENSOR
ENCODER (G95, abs, ST, 24 Bit)	6FX2001-5WD13-1AA0	SENSOR
ENCODER (DQ, abs, MT, 34 Bit)	6FX2001-5WD25-0AA1	SENSOR
ENCODER (G95, abs, MT, 36 Bit)	6FX2001-5WD25-1AA0	SENSOR
ENCODER (PN, abs, ST, 13 Bit)	6FX2001-5WN13	SENSOR
ENCODER (PN, abs, MT, 27 Bit)	6FX2001-5WN25	SENSOR
ENCODER (DP, abs, ST, 13 Bit)	6FX2001-5WP12	SENSOR
ENCODER (DP, abs, MT, 27 Bit)	6FX2001-5WP24	SENSOR