

# BESCHEINIGUNG

## (1) Baumusterprüfung

(2) **Geräte und Schutzsysteme zur bestimmungsgemäßen Verwendung in explosionsgefährdeten Bereichen – Richtlinie 94/9/EG**

(3) Baumusterprüfbescheinigung Nummer: **DEKRA 12ATEX0004 X** Ausgabe Nummer: **12**

(4) Gerät: **Programmable Logic Controller Systems SIMATIC ET 200MP und S7-1500 Module Typ 6ES7 ...**

(5) Hersteller: **Siemens AG**

(6) Anschrift: **Werner-von-Siemens-Strasse 50, 92224 Amberg, Deutschland**

(7) Die Bauart dieses Gerätes sowie die verschiedenen zulässigen Ausführungen sind in der Anlage zu dieser Baumusterprüfbescheinigung und in den zugehörigen Unterlagen festgelegt.

(8) DEKRA Certification B.V. bescheinigt für dieses Gerät die Erfüllung der grundlegenden Sicherheits- und Gesundheitsanforderungen für die Konzeption und den Bau von Geräten und Schutzsystemen zur bestimmungsgemäßen Verwendung in explosionsgefährdeten Bereichen gemäß Anhang II der Richtlinie.

Die Ergebnisse der Prüfung sind in dem vertraulichen Prüfbericht Nr. 215184100 festgelegt worden.

(9) Die grundlegenden Sicherheits- und Gesundheitsanforderungen werden erfüllt durch Übereinstimmung mit:

**EN 60079-0 : 2009**

**EN 60079-15 : 2010**

(10) Falls das Zeichen "X" hinter der Bescheinigungsnummer steht, wird auf besondere Bedingungen für die sichere Anwendung des Gerätes in der Anlage zu dieser Bescheinigung hingewiesen.

(11) Diese Baumusterprüfbescheinigung bezieht sich nur auf Konstruktion, Überprüfung und Tests des spezifizierten Gerätes und nicht auf das Herstellungsverfahren und die Lieferung dieses Gerätes.

(12) Die Kennzeichnung des Gerätes muß die folgenden Angaben enthalten:



**II 3 G Ex nA IIC T4 Gc**

Diese Bescheinigung ist erstellt am 28. Februar 2014 und ist, soweit zutreffend, zu revidieren vor dem Datum der Beendigung der Annahme der Konformitätsvermutung (einer) der oben erwähnten Normen, wie angekündigt im Amtsblatt der Europäischen Union.

DEKRA Certification B.V.

R. Schuller  
Certification Manager

(13) **ANLAGE**

(14) **Zur Baumusterprüfbescheinigung DEKRA 12ATEX0004 X** Ausgabe Nr. 12

(15) **Beschreibung**

Module Typ 6ES7 ... für Verwendung in Programmable Controller Systems SIMATIC ET 200MP und S7-1500.

Die Typenbezeichnung, der Umgebungstemperaturbereich und die Temperaturklasse der Module sind **Tabelle 1** zu entnehmen.

**Elektrische Daten**

Die elektrischen Daten von Versorgung, Eingangs- und Ausgangstromkreisen der Module sind **Tabelle 1** zu entnehmen.

**Errichtungshinweise**

Das mit den Geräten mitgelieferte Handbuch ist um eine sichere Anwendung zu gewährleisten bis ins Detail zu befolgen.

(16) **Prüfbericht**

Nr. 215184100.

(17) **Besondere Bedingungen für die sichere Anwendung**

**Besondere Bedingungen**

1. Die Module sind in ein geeignetes Gehäuse dass eine Schutzart von mindestens IP54 gemäss EN 60529 gewährleistet, unter Berücksichtigung der Umgebungsbedingungen bei der Verwendung, zu errichten.
2. Wenn die Temperatur bei Nennbetrieb an den Einführungsstellen der Kabel, Leitungen oder Rohrleitungen höher als 70 °C oder an den Aderverzweigungsstellen höher als 80 °C ist, so müssen Kabel ausgewählt werden mit Temperaturdaten den tatsächlich gemessenen Temperaturwerten entsprechend.
3. Es müssen Maßnahmen zum Schutz gegen eine Überschreitung der Nennbetriebsspannung durch kurzzeitige Störspannungen um mehr als 119 V getroffen werden.

(18) **Grundlegende Sicherheits- und Gesundheitsanforderungen**

Von den Normen unter (9) abgedeckt.

(19) **Prüfungsunterlagen**

Wie erwähnt in Prüfbericht Nr. 215184100.

(13) **ANLAGE**

(14) **Zur Baumusterprüfbescheinigung DEKRA 12ATEX0004 X** Ausgabe Nr. 12

**Tabelle 1**

Description	Type/MLFB No.	Temp. code	Ambient Range	Technical Data	Supply Volt.
Front Connector	6ES7 592-1AM00-a	T4	0...+60°C	-	Max. 230V
Interface Module IM 155-5 PN	6ES7 155-5AA00-aaBa	T4	0...+60°C	supply 24 Vdc, 1.0 A at 40°C vertically mounted at 60°C horizontally mounted	24Vdc
Digital Input Module 16 DI, DC 24V	6ES7 521-1BH00-a	T4	0...+60°C	supply 24 Vdc, 20 mA Inputs 24 Vdc, 16 channels at 40°C vertically mounted at 60°C horizontally mounted	24Vdc
Digital Input Module 32 DI, DC 24V	6ES7 521-1BL00-a	T4	0...+60°C	supply 24 Vdc, 20 mA per group Inputs 24 Vdc, 32 channels (2 groups of 16) at 40°C 32 channels horizontally / vertically at 60°C 16 channels horizontally	24Vdc
Digital Output Module 16 DQ, DC 24V / 0.5A	6ES7 522-1BH00-a	T4	0...+60°C	supply 24 Vdc, 4 A per group Outputs 24 Vdc, 16 channels (2 groups of 8) 0.5 A p.d. / 0.5 A res. / 5 W tung. at 40°C to 60 °C: 4A to 3A per group, horizontally at 40°C: 2 A per group, vertically	24Vdc
Digital Output Module 32 DQ, DC 24V / 0.5A	6ES7 522-1BL00-a	T4	0...+60°C	supply 24 Vdc, 4 A per group Outputs 24 Vdc, 32 channels (4 groups of 8) 0.5 A p.d. / 0.5 A res. / 5 W tung. at 40°C to 60 °C: 4A to 3A per group, horizontally at 40°C: 2 A per group, vertically	24Vdc
Analog Input Module 8 AI, U, I, R, RTD, TC	6ES7 531-7KF00-a	T4	0...+60°C	supply 24 Vdc, 220 mA 8 Input channels at 40°C vertically mounted at 60°C horizontally mounted	24Vdc
Analog Output Module 4 AQ, U, I	6ES7 532-5HD00-a	T4	0...+60°C	supply 24 Vdc, 140 mA 4 Output channels at 40°C vertically mounted at 60°C horizontally mounted	24Vdc
Power Supply Module Input 24Vdc / 1.3A	6ES7 505-0KA00-a	T4	0...+60°C	supply 24 Vdc, 1.3 A at 40°C vertically mounted at 60°C horizontally mounted	24Vdc
Power Supply Module Input 24V/48V/60Vdc / 3.0A/1.5A/1.2A	6ES7 505-0RA00-a	T4	0...+60°C	supply 24V/48V/60Vdc / 3.0A/1.5A/1.2A at 40°C vertically mounted at 60°C horizontally mounted	24V/48V/ 60Vdc
Communication Module PtP RS232 BA	6ES7 540-1AD00-a	T4	0...+60°C	Supplied by limited voltage circuit of the Bus at 40°C vertically mounted at 60°C horizontally mounted	-
Communication Module PtP RS232 HF	6ES7 541-1AD00-a	T4	0...+60°C	Supplied by limited voltage circuit of the Bus at 40°C vertically mounted at 60°C horizontally mounted	-
Communication Module PtP RS422 BA	6ES7 540-1AB00-a	T4	0...+60°C	Supplied by limited voltage circuit of the Bus at 40°C vertically mounted at 60°C horizontally mounted	-
Communication Module PtP RS422 HF	6ES7 541-1AB00-a	T4	0...+60°C	Supplied by limited voltage circuit of the Bus at 40°C vertically mounted at 60°C horizontally mounted	-
Central processing unit CPU 1516 - 3PN/DP	6ES7 516-3AN00-a	T4	0...+60°C	supply 24 Vdc, 0.85 A at 40°C vertically mounted at 60°C horizontally mounted	24Vdc
Central processing unit CPU 1513 - 1PN	6ES7 513-1AL00-a	T4	0...+60°C	supply 24 Vdc, 0.7 A at 40°C vertically mounted at 60°C horizontally mounted	24Vdc
Central processing unit CPU 1511 - 1PN	6ES7 511-1AK00-a	T4	0...+60°C	supply 24 Vdc, 0.7 A at 40°C vertically mounted at 60°C horizontally mounted	24Vdc
Digital Output Module 8 DQ, DC 24V / 2A HF	6ES7 522-1BF00-a	T4	0...+60°C	supply 24 Vdc, 8 A per group Outputs 24 Vdc, 8 channels (2 groups of 4) 2 A p.d. / 2 A res. / 5 W tung. at 25°C to 40°C: 8 A to 3.5 A per group, vertically mounted at 40°C to 60°C: 8 A to 4.5 A per group, horizontally mounted	24Vdc
Digital Input Module 16 DI, DC 24V / SRC BA	6ES7 521-1BH50-a	T4	0...+60°C	Source Inputs 24 Vdc, 72mA, 16 channels at 40°C vertically mounted at 60°C horizontally mounted	24Vdc

(13) **ANLAGE**

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Analog Input Module 8 AI, U/I HS	6ES7 531-7NF10-a	T4	0...+60°C	supply 24 Vdc, 240 mA 8 Input channels at 40°C vertically mounted at 60°C horizontally mounted	24Vdc
Analog Output Module 8 AQ, U/I HS Taktsync., 16Bit, 0,3%	6ES7 532-5HF00-a	T4	0...+60°C	Supply 24 Vdc, 200 mA, 8 Output channels At 40°C vertically, at 60°C horizontally: 8 channels (V), Load impedance > 5 kΩ At 25°C to 40°C vertically, at 40°C to 60°C horizontally: 8 channels (V) to 4 channels (V), Load impedance > 1 kΩ < 5 kΩ At 25°C to 40°C vertically, at 40°C to 60°C horizontally: 8 channels (I) to 4 channels (I)	24Vdc
Technology Module Count 2x 24V	6ES7 550-1AA00-a	T4	0...+60°C	supply 24 Vdc, Inputs 24 Vdc, 6 channels Outputs 24 Vdc, 4 channels 0.5 A res. / 5 W tung. Enc. Supply Output 24Vdc/1A	-
Central processing unit CPU 1511F-1PN	6ES7 511-1FK00-a	T4	0...+60°C	supply 24 Vdc, 0.7 A at 40°C vertically mounted at 60°C horizontally mounted	24Vdc
Central processing unit CPU 1513F - 1PN	6ES7 513-1FL00-a	T4	0...+60°C	supply 24 Vdc, 0.7 A at 40°C vertically mounted at 60°C horizontally mounted	24Vdc
Central processing unit CPU 1516F - 3PN/DP	6ES7 516-3FN00-a	T4	0...+60°C	supply 24 Vdc, 0.85 A at 40°C vertically mounted at 60°C horizontally mounted	24Vdc
Interface Module IM 155-5 DP CU	6ES7 155-5BA00-a	T4	0...+60°C	supply 24 Vdc, 1.0 A at 40°C vertically mounted at 60°C horizontally mounted	24Vdc
Technology Module TM PosInput 2	6ES7 551-1AB00-a	T4	0...+60°C	supply 24 Vdc, 2.9 A 4 Input channels Outputs 24Vdc, 4 channels 0.5 A p.d. / 0.5 A res. / 5 W tung. at 40°C vertically mounted at 60°C horizontally mounted	24Vdc
Interface Module IM 155-5 PN HF CU	6ES7 155-5AA00-aaCa	T4	0...+60°C	supply 24 Vdc, 1.2 A at 40°C vertically mounted at 60°C horizontally mounted	24Vdc
Digital Input Module 16 DI, 24V DC BA	6ES7 521-1BH10-a	T4	0...+60°C	supply 24 Vdc Inputs 24 Vdc, 16 channels at 40°C vertically mounted at 60°C horizontally mounted	24Vdc
Digital Input Module 32 DI, 24V DC BA	6ES7 521-1BL10-a	T4	0...+60°C	supply 24 Vdc Inputs 24 Vdc, 32 channels (2 groups of 16) at 40°C vertically mounted at 60°C horizontally mounted	24Vdc
Digital Output Module 16 DQ, DC 24V / 0.5A	6ES7 522-1BH10-a	T4	0...+60°C	supply 24 Vdc, 4A per group Outputs 24 Vdc, 16 channels (2 groups of 8) 0.5 A p.d. / 0.5 A res. / 5 W tungsten at 40°C to 60°C: 4A to 2A per group, horizontally mounted at 40°C: 2A per group, vertically mounted	24Vdc
Digital Output Module 32 DQ, DC 24V / 0.5A	6ES7 522-1BL10-a	T4	0...+60°C	supply 24 Vdc, 4A per group Outputs 24 Vdc, 16 channels (2 groups of 8) 0.5 A p.d. / 0.5 A res. / 5 W tungsten at 40°C to 60°C: 4A to 2A per group, horizontally mounted at 40°C: 2A per group, vertically mounted	24Vdc
Digital Input / Output Module DI 16x24Vdc / DQ 16x24Vdc/0.5A BA	6ES7 523-1BL00-a	T4	0...+60°C	supply 24 Vdc, 4A per group Outputs 24 Vdc, 16 channels (2 groups of 8) 0.5 A p.d. / 0.5 A res. / 5 W tungsten at 40°C to 60°C: 4A to 2A per group, horizontally mounted at 40°C: 2A per group, vertically mounted	24Vdc
Front connector "Push In", 15.4mm	6ES7 592-1BM00-aaAa	T4	0...+60°C	-	24Vdc
Front connector "Push In", 25.4mm	6ES7 592-1BM00-aaBa	T4	0...+60°C	-	24Vdc
Central processing unit CPU 1515 - 2PN	6ES7 515-2AM00-a	T4	0...+60°C	supply 24 Vdc, 0.8 A at 40°C vertically mounted at 60°C horizontally mounted	24Vdc

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Central processing unit CPU 1515F - 2PN	6ES7 515-2FM00-a	T4	0...+60°C	supply 24 Vdc, 0.8 A at 40°C vertically mounted at 60°C horizontally mounted	24Vdc
Central processing unit CPU 1518 - 4PN/DP	6ES7 518-4AP00-a	T4	0...+60°C	supply 24 Vdc, 0.8 A at 40°C vertically mounted at 60°C horizontally mounted	24Vdc
Central processing unit CPU 1518F - 4PN/DP	6ES7 518-4FP00-a	T4	0...+60°C	supply 24 Vdc, 0.8 A at 40°C vertically mounted at 60°C horizontally mounted	24Vdc

# CERTIFICATE

## (1) Type Examination

(2) **Equipment and protective systems intended for use in potentially explosive atmospheres - Directive 94/9/EC**

(3) Type Examination Certificate Number: **DEKRA 12ATEX0004 X** Issue Number: **12**

(4) Equipment: **Programmable Logic Controller Systems SIMATIC ET 200MP and S7-1500, Modules Type 6ES7 ...**

(5) Manufacturer: **Siemens AG**

(6) Address: **Werner-von-Siemens-Strasse 50, 92224 Amberg, Germany**

(7) This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) DEKRA Certification B.V., certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the directive.

The examination and test results are recorded in confidential test report no. 215184100.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN 60079-0 : 2009**

**EN 60079-15 : 2010**

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This Type Examination Certificate relates only to the design, examination and tests of the specified equipment and not to the manufacturing process and supply of this equipment.

(12) The marking of the equipment shall include the following:



**II 3 G Ex nA IIC T4 Gc**

This certificate is issued on 28 February 2014 and, as far as applicable, shall be revised before the date of cessation of presumption of conformity of (one of) the standards mentioned above as communicated in the Official Journal of the European Union.

DEKRA Certification B.V.

R. Schuller  
Certification Manager

(13) **SCHEDULE**

(14) **to Type Examination Certificate DEKRA 12ATEX0004 X**

Issue No. 12

(15) **Description**

Modules Type 6ES7 ... for use in SIMATIC ET 200MP and S7-1500 Programmable Logic Controller Systems.

The type code, the ambient temperature range and the temperature class of the modules shall be taken from **Table 1**.

**Electrical data**

The electrical data of the supply and the input and output circuits shall be taken from **Table 1**.

**Installation instructions**

The manual provided with the equipment shall be followed in detail to assure safe operation.

(16) **Test Report**

No. 215184100.

(17) **Special conditions for safe use**

1. The modules shall be installed in a suitable enclosure providing a degree of protection of at least IP54 according to EN 60529, taking into account the environmental conditions under which the equipment will be used.
2. When the temperature under rated conditions exceeds 70 °C at the cable or conduit entry point, or 80 °C at the branching point of the conductors, the temperature specification of the selected cable shall be in compliance with the actual measured temperature values.
3. Provisions shall be made to prevent the rated voltage from being exceeded by transient disturbances of more than 119 V.

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at (9).

(19) **Test documentation**

As listed in Test Report No. 215184100.

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(14) **to Type Examination Certificate DEKRA 12ATEX0004 X**

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**Table 1**

Description	Type/MLFB No.	Temp. code	Ambient Range	Technical Data	Supply Volt.
Front Connector	6ES7 592-1AM00-a	T4	0...+60°C	-	Max. 230V
Interface Module IM 155-5 PN	6ES7 155-5AA00-aaBa	T4	0...+60°C	supply 24 Vdc, 1.0 A at 40°C vertically mounted at 60°C horizontally mounted	24Vdc
Digital Input Module 16 DI, DC 24V	6ES7 521-1BH00-a	T4	0...+60°C	supply 24 Vdc, 20 mA Inputs 24 Vdc, 16 channels at 40°C vertically mounted at 60°C horizontally mounted	24Vdc
Digital Input Module 32 DI, DC 24V	6ES7 521-1BL00-a	T4	0...+60°C	supply 24 Vdc, 20 mA per group Inputs 24 Vdc, 32 channels (2 groups of 16) at 40°C 32 channels horizontally / vertically at 60°C 16 channels horizontally	24Vdc
Digital Output Module 16 DQ, DC 24V / 0.5A	6ES7 522-1BH00-a	T4	0...+60°C	supply 24 Vdc, 4 A per group Outputs 24 Vdc, 16 channels (2 groups of 8) 0.5 A p.d. / 0.5 A res. / 5 W tung. at 40°C to 60 °C: 4A to 3A per group, horizontally at 40°C: 2 A per group, vertically	24Vdc
Digital Output Module 32 DQ, DC 24V / 0.5A	6ES7 522-1BL00-a	T4	0...+60°C	supply 24 Vdc, 4 A per group Outputs 24 Vdc, 32 channels (4 groups of 8) 0.5 A p.d. / 0.5 A res. / 5 W tung. at 40°C to 60 °C: 4A to 3A per group, horizontally at 40°C: 2 A per group, vertically	24Vdc
Analog Input Module 8 AI, U, I, R, RTD, TC	6ES7 531-7KF00-a	T4	0...+60°C	supply 24 Vdc, 220 mA 8 Input channels at 40°C vertically mounted at 60°C horizontally mounted	24Vdc
Analog Output Module 4 AQ, U, I	6ES7 532-5HD00-a	T4	0...+60°C	supply 24 Vdc, 140 mA 4 Output channels at 40°C vertically mounted at 60°C horizontally mounted	24Vdc
Power Supply Module Input 24Vdc / 1.3A	6ES7 505-0KA00-a	T4	0...+60°C	supply 24 Vdc, 1.3 A at 40°C vertically mounted at 60°C horizontally mounted	24Vdc
Power Supply Module Input 24V/48V/60Vdc / 3.0A/1.5A/1.2A	6ES7 505-0RA00-a	T4	0...+60°C	supply 24V/48V/60Vdc / 3.0A/1.5A/1.2A at 40°C vertically mounted at 60°C horizontally mounted	24V/48V/ 60Vdc
Communication Module PtP RS232 BA	6ES7 540-1AD00-a	T4	0...+60°C	Supplied by limited voltage circuit of the Bus at 40°C vertically mounted at 60°C horizontally mounted	-
Communication Module PtP RS232 HF	6ES7 541-1AD00-a	T4	0...+60°C	Supplied by limited voltage circuit of the Bus at 40°C vertically mounted at 60°C horizontally mounted	-
Communication Module PtP RS422 BA	6ES7 540-1AB00-a	T4	0...+60°C	Supplied by limited voltage circuit of the Bus at 40°C vertically mounted at 60°C horizontally mounted	-
Communication Module PtP RS422 HF	6ES7 541-1AB00-a	T4	0...+60°C	Supplied by limited voltage circuit of the Bus at 40°C vertically mounted at 60°C horizontally mounted	-
Central processing unit CPU 1516 - 3PN/DP	6ES7 516-3AN00-a	T4	0...+60°C	supply 24 Vdc, 0.85 A at 40°C vertically mounted at 60°C horizontally mounted	24Vdc
Central processing unit CPU 1513 - 1PN	6ES7 513-1AL00-a	T4	0...+60°C	supply 24 Vdc, 0.7 A at 40°C vertically mounted at 60°C horizontally mounted	24Vdc
Central processing unit CPU 1511 - 1PN	6ES7 511-1AK00-a	T4	0...+60°C	supply 24 Vdc, 0.7 A at 40°C vertically mounted at 60°C horizontally mounted	24Vdc
Digital Output Module 8 DQ, DC 24V / 2A HF	6ES7 522-1BF00-a	T4	0...+60°C	supply 24 Vdc, 8 A per group Outputs 24 Vdc, 8 channels (2 groups of 4) 2 A p.d. / 2 A res. / 5 W tung. at 25°C to 40°C: 8 A to 3.5 A per group, vertically mounted at 40°C to 60°C: 8 A to 4.5 A per group, horizontally mounted	24Vdc
Digital Input Module 16 DI, DC 24V / SRC BA	6ES7 521-1BH50-a	T4	0...+60°C	Source Inputs 24 Vdc, 72mA, 16 channels at 40°C vertically mounted at 60°C horizontally mounted	24Vdc



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Analog Input Module 8 AI, U/I HS	6ES7 531-7NF10-a	T4	0...+60°C	supply 24 Vdc, 240 mA 8 Input channels at 40°C vertically mounted at 60°C horizontally mounted	24Vdc
Analog Output Module 8 AQ, U/I HS Taktsync., 16Bit, 0.3%	6ES7 532-5HF00-a	T4	0...+60°C	Supply 24 Vdc, 200 mA , 8 Output channels At 40°C vertically, at 60°C horizontally: 8 channels (V), Load impedance > 5 kΩ At 25°C to 40°C vertically, at 40°C to 60°C horizontally: 8 channels (V) to 4 channels (V), Load impedance > 1 kΩ < 5 kΩ At 25°C to 40°C vertically, at 40°C to 60°C horizontally: 8 channels (I) to 4 channels (I)	24Vdc
Technology Module Count 2x 24V	6ES7 550-1AA00-a	T4	0...+60°C	supply 24 Vdc, Inputs 24 Vdc, 6 channels Outputs 24 Vdc, 4 channels 0.5 A res. / 5 W tung. Enc. Supply Output 24Vdc/1A	-
Central processing unit CPU 1511F-1PN	6ES7 511-1FK00-a	T4	0...+60°C	supply 24 Vdc, 0.7 A at 40°C vertically mounted at 60°C horizontally mounted	24Vdc
Central processing unit CPU 1513F - 1PN	6ES7 513-1FL00-a	T4	0...+60°C	supply 24 Vdc, 0.7 A at 40°C vertically mounted at 60°C horizontally mounted	24Vdc
Central processing unit CPU 1516F - 3PN/DP	6ES7 516-3FN00-a	T4	0...+60°C	supply 24 Vdc, 0.85 A at 40°C vertically mounted at 60°C horizontally mounted	24Vdc
Interface Module IM 155-5 DP CU	6ES7 155-5BA00-a	T4	0...+60°C	supply 24 Vdc, 1.0 A at 40°C vertically mounted at 60°C horizontally mounted	24Vdc
Technology Module TM PosInput 2	6ES7 551-1AB00-a	T4	0...+60°C	supply 24 Vdc, 2.9 A 4 Input channels Outputs 24Vdc, 4 channels 0.5 A p.d. / 0.5 A res. / 5 W tung. at 40°C vertically mounted at 60°C horizontally mounted	24Vdc
Interface Module IM 155-5 PN HF CU	6ES7 155-5AA00-aaCa	T4	0...+60°C	supply 24 Vdc, 1.2 A at 40°C vertically mounted at 60°C horizontally mounted	24Vdc
Digital Input Module 16 DI, 24V DC BA	6ES7 521-1BH10-a	T4	0...+60°C	supply 24 Vdc Inputs 24 Vdc, 16 channels at 40°C vertically mounted at 60°C horizontally mounted	24Vdc
Digital Input Module 32 DI, 24V DC BA	6ES7 521-1BL10-a	T4	0...+60°C	supply 24 Vdc Inputs 24 Vdc, 32 channels (2 groups of 16) at 40°C vertically mounted at 60°C horizontally mounted	24Vdc
Digital Output Module 16 DQ, DC 24V / 0.5A	6ES7 522-1BH10-a	T4	0...+60°C	supply 24 Vdc, 4A per group Outputs 24 Vdc, 16 channels (2 groups of 8) 0.5 A p.d. / 0.5 A res. / 5 W tungsten at 40°C to 60 °C: 4A to 2A per group, horizontally mounted at 40°C: 2A per group, vertically mounted	24Vdc
Digital Output Module 32 DQ, DC 24V / 0.5A	6ES7 522-1BL10-a	T4	0...+60°C	supply 24 Vdc, 4A per group Outputs 24 Vdc, 16 channels (2 groups of 8) 0.5 A p.d. / 0.5 A res. / 5 W tungsten at 40°C to 60 °C: 4A to 2A per group, horizontally mounted at 40°C: 2A per group, vertically mounted	24Vdc
Digital Input / Output Module DI 16x24Vdc / DQ 16x24Vdc/0.5A BA	6ES7 523-1BL00-a	T4	0...+60°C	supply 24 Vdc, 4A per group Outputs 24 Vdc, 16 channels (2 groups of 8) 0.5 A p.d. / 0.5 A res. / 5 W tungsten at 40°C to 60 °C: 4A to 2A per group, horizontally mounted at 40°C: 2A per group, vertically mounted	24Vdc
Front connector "Push In", 15.4mm	6ES7 592-1BM00-aaAa	T4	0...+60°C	-	24Vdc
Front connector "Push In", 25.4mm	6ES7 592-1BM00-aaBa	T4	0...+60°C	-	24Vdc
Central processing unit CPU 1515 - 2PN	6ES7 515-2AM00-a	T4	0...+60°C	supply 24 Vdc, 0.8 A at 40°C vertically mounted at 60°C horizontally mounted	24Vdc

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Central processing unit CPU 1515F - 2PN	6ES7 515-2FM00-a	T4	0...+60°C	supply 24 Vdc, 0.8 A at 40°C vertically mounted at 60°C horizontally mounted	24Vdc
Central processing unit CPU 1518 - 4PN/DP	6ES7 518-4AP00-a	T4	0...+60°C	supply 24 Vdc, 0.8 A at 40°C vertically mounted at 60°C horizontally mounted	24Vdc
Central processing unit CPU 1518F - 4PN/DP	6ES7 518-4FP00-a	T4	0...+60°C	supply 24 Vdc, 0.8 A at 40°C vertically mounted at 60°C horizontally mounted	24Vdc