

(1) EC-TYPE EXAMINATION CERTIFICATE

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

(3) EC-Type Examination Certificate Number: **KEMA 09ATEX0173 X** Issue Number: **1**

(4) Equipment: **SIMATIC NET Series Network Components Type 6GK ...**

(5) Manufacturer: **Siemens AG**

(6) Address: **Frauenauracherstrasse 98, 91056 Erlangen, Germany**

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

(8) KEMA Quality B.V., notified body number 0344 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, 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 number 212961000.

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

EN 60079-0: 2006

EN 60079-15: 2005

EN 60079-28: 2007

(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 EC-Type Examination Certificate relates only to the design, examination and tests of the specified equipment according to the Directive 94/9/EC. Further requirements of the directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.

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



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Ex nA [op is] IIC T4

This certificate is issued on April 9, 2010 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.

KEMA Quality B.V.

C.G. van Es
Certification Manager

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(13) **SCHEDULE**

(14) **to EC-Type Examination Certificate KEMA 09ATEX0173 X** Issue No. 1

(15) **Description**

SIMATIC NET Series Network Components Type 6GK ... are used for data conversion and interconnection in industrial networks, using optical signals.

The optical cables may extend into Zone 1 hazardous locations.

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 proper and safe operation.

(16) **Test Report**

KEMA No. 212961000.

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

1. The modules shall be installed in an enclosure in accordance with EN 60079-15 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 40%.

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

Assured by compliance with the standards listed at (9).

(19) **Test documentation**

As listed in Test Report No. 212961000.

(13) **SCHEDULE**

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Table 1

Description	Type/MLFB No.	Temp. code	Ambient Range	Technical Data	Supply Volt.
OLM / P11	6GK1503-2CA00	T4	0... +60°C	24V / max.200 mA	24 V
OLM / P12	6GK1503-3CA00	T4	0... +60°C	24V / max.200 mA	24 V
OLM / G11	6GK1503-2BC00	T4	0... +60°C	24V / max.200 mA	24 V
OLM / G12	6GK1503-3CB00	T4	0... +60°C	24V / max.200 mA	24 V
OLM / G12-ECC	6GK1503-3CD00	T4	-20... +60°C	24V / max.200 mA	24 V