CERTIFICATE

(1) Type Examination

(2) **Product intended for use in potentially explosive atmospheres - Directive 2014/34/EU**

(3) Type Examination Certificate Number: **DEKRA 19ATEX0094 X** Issue Number: **3**

(4) Product: **SIWAREX Modules Type 7MH4…**

(5) Manufacturer: **SIEMENS AG**

(6) Address: **Östliche Rheinbrückenstr 50, 76181 Karlsruhe, Germany**

(7) This product 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 product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014.

The examination and test results are recorded in confidential test report no. NL/DEK/ExTR19.0064/02.

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

EN IEC 60079-0 : 2018 **EN 60079-7 : 2015 + A1 : 2018**

except in respect of those requirements listed at item 18 of the Schedule.

(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

(11) This Type Examination Certificate relates only to the design and construction of the specified product and not to the manufacturing process and its monitoring.

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

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

Date of certification: 23 November 2021

DEKRA Certification B.V.

R. Schuller
Certification Manager

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(13) # SCHEDULE

(14) **to Type Examination Certificate DEKRA 19ATEX0094 X** Issue No. **3**

(15) **Description**
SIWAREX Modules Type 7MH4… for use in a SIMATIC S7 Programmable Controller System.

For type code, the service temperature range and the temperature class of the modules see Annex 1 to NL/DEK/ExTR19.0064/02.

Electrical data

For electrical data of the supply and the input and output circuits see Annex 1 to NL/DEK/ExTR19.0064/02

Installation instructions

The instructions provided with the product shall be followed in detail to assure safe operation.

(16) **Report Number**

No. NL/DEK/ExTR19.0064/02.

(17) **Specific conditions of use**

1. The equipment shall only be used in an area of not more than pollution degree 2, as defined in EN 60664-1.

2. The modules shall be installed in a suitable enclosure providing a degree of protection of at least IP54 according to EN IEC 60079-0, taking into account the environmental conditions under which the equipment will be used.

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 item (9).

(19) **Test documentation**

As listed in Report No. NL/DEK/ExTR19.0064/02.

Annex 1 to NL/DEK/ExTR19.0064/02

Table 1

Description	Type/MLFB No.	Temp. code	Ambient Range	Technical Data	Supply Volt.
Modules					
SIWAREX WP351 HF	7MH4138-6BA00-0CU0	T4	-30... +60°C	INPUT DC24V, 0.14 + DQ 3 x 0.5A	24Vdc
SIWAREX WP231	7MH4960-2AA01	T4	-25... +60°C	INPUT DC24V, 0.2A + DQ 4 x 0.5A	24Vdc
SIWAREX WP241	7MH4960-4AA01	T4	-25... +60°C	INPUT DC24V, 0.2A + DQ 4 x 0.5A	24Vdc
SIWAREX WP251	7MH4960-6AA01	T4	-25... +60°C	INPUT DC24V, 0.2A + DQ 4 x 0.5A	24Vdc
SIWAREX FTA	7MH4900-2AA01	T4	0... +60°C	INPUT DC24V, 0.5A	24 Vdc / 5 Vdc
SIWAREX FTC	7MH4900-3AA01	T4	0... +60°C	INPUT DC24V, 0.5A	24 Vdc / 5 Vdc
SIWAREX CS	7MH4910-0AA01	T4	0... +60°C	INPUT DC24V, 0.15A	24Vdc / 3Vdc
SIWAREX CF	7MH4920-0AA01	T4	0... +60°C	INPUT DC24V, 0.1A	24Vdc / 3Vdc
SIWAREX MS	7MH4930-0AA01	T4	0... +55°C	INPUT DC24V, 0.15A	24Vdc / 5Vdc
SIWAREX U	7MH4950-1AA01	T4	0... +60°C	INPUT DC24V, 0.15A	24Vdc / 5Vdc
SIWAREX U	7MH4950-2AA01	T4	0... +60°C	INPUT DC24V, 0.24A	24Vdc / 5Vdc
SIWAREX WP321	From FS 01… / 7MH4138-6AA00-0BA0	T4	-25... +60°C	INPUT DC24V, 0.1A	24Vdc / 3.5Vdc
SIWAREX WP521 ST	7MH4980-1AA01	T4	0... +60°C	INPUT DC 24V, 0.12A	24Vdc / 15Vdc
SIWAREX WP522 ST	7MH4980-2AA01	T4	0... +60°C	INPUT DC 24V, 0.2A	24Vdc / 15Vdc
AI 2xSG 4-/6-wire HS	7MH4134-6LB00-0DA0	T4	-25... +60°C	INPUT DC 24V, 0.07A	24Vdc / 3.5Vdc
SIWAREX WP341 HF	7MH4138-6CA00-0CU0	T4	-30…+60°C	INPUT DC24V, 0.14 + DQ 3 x 0.5A	24Vdc

SIEMENS

Das Zertifkat DEKRA 19ATEX0094 X ersetzt das Zertifikat KEMA 08ATEX0002 X für die im Zertifikat KEMA 08ATEX0002 X gelisteten Geräte.
In der Übergangszeit gilt das Zertifikat, welches auf dem Typschild steht.

The certificate DEKRA 19ATEX0094 X replaces the certificate KEMA 08ATEX0002 X for the devices listed in the certificate KEMA 08ATEX0002 X.
In the periode of transition the certificate on the nameplate is valid.

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CERTIFICATE

(1) Type Examination

(2) **Product intended for use in potentially explosive atmospheres - Directive 2014/34/EU**

(3) Type Examination Certificate Number: **KEMA 08ATEX0002 X** Issue Number: 7

(4) Product: **SIWAREX Modules Type 7MH4…**

(5) Manufacturer: **Siemens AG**

(6) Address: **Breslauerstraße 5, 90766 Fürth, Germany**

(7) This product 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 product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014.

The examination and test results are recorded in confidential test report no. 221904000.

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

EN 60079-0 : 2012 + A11 : 2013 **EN 60079-15 : 2010**

(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

(11) This Type Examination Certificate relates only to the design and construction of the specified product and not to the manufacturing process and its monitoring.

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

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

Date of certification: 6 November 2017

DEKRA Certification B.V.

R. Schuller
Certification Manager

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(13) # SCHEDULE

(14) **to Type Examination Certificate KEMA 08ATEX0002 X** Issue No. **7**

(15) **Description**

SIWAREX Modules Type 7MH4… for use in a SIMATIC S7 Programmable Controller System.

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 instructions provided with the product shall be followed in detail to assure safe operation.

(16) **Report Number**

No. 221904000.

(17) **Specific conditions of use**

1. The equipment shall only be used in an area of not more than pollution degree 2, as defined in EN 60664-1.

2. The modules shall be installed in a suitable enclosure providing a degree of protection of at least IP54 according to EN 60079-15, taking into account the environmental conditions under which the equipment will be used.

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 item (9).

(19) **Test documentation**

As listed in Report No. 221904000.

(20) **Certificate history**

Issue 0 -	211168200	Initial certificate
Issue 2 …6 -		Revised construction and addition of modules
Issue 7 -	221904000	Addition of modules

(13) **SCHEDULE**

(14) **to Type Examination Certificate KEMA 08ATEX0002 X** Issue No. **7**

Table 1

Description	Type/MLFB No.	Temp. code	Ambient Range	Technical Data	Supply Volt.
Modules					
SIWAREX FTA	7MH4900-2AA01	T4	0... +60°C	INPUT DC24V, 0.5A	24 Vdc 5 Vdc
SIWAREX FTC	7MH4900-3AA01	T4	0... +60°C	INPUT DC24V, 0.5A	24 Vdc 5 Vdc
SIWAREX CS	7MH4910-0AA01	T4	0... +60°C	INPUT DC24V, 0.15A	24 Vdc 3 Vdc
SIWAREX CF	7MH4920-0AA01	T4	0... +60°C	INPUT DC24V, 0.1A	24 Vdc 3 Vdc
SIWAREX MS	7MH4930-0AA01	T4	0... +55°C	INPUT DC24V, 0.15A	24 Vdc 5Vdc
SIWAREX U	7MH4950-1AA01	T4	0...+60°C	INPUT DC24V, 0.15A	24 Vdc 5Vdc
SIWAREX U	7MH4950-2AA01	T4	0...+60°C	INPUT DC24V, 0.24A	24 Vdc 5Vdc
SIWAREX WP321	7MH4138-6AA00-0BA0	T4	0...+60°C	INPUT DC24V, 0.1A	24 Vdc 3.5Vdc
SIWAREX WP521 ST	7MH4980-1AA01	T4	0...+60°C	INPUT DC24V, 0.12A	24 Vdc 15Vdc
SIWAREX WP522 ST	7MH4980-2AA01	T4	0...+60°C	INPUT DC24V, 0.2A	24 Vdc 15Vdc
AI 2xSG 4-/6 wire HS	7MH4134-6LB00-0DA0	T4	0...+60°C	INPUT DC24V, 0.07A	24 Vdc 3.5Vdc