



Lloyd's
Register

Type Approval Certificate Extension

This is to certify that Certificate No. 98/20056 (E9) for the undernoted products is amended and renumbered as shown.

This certificate is issued to:

PRODUCER

Siemens AG
I IA AS RD ST Type Test
Werner-von-Siemens-Strasse 50
92224 Amberg
Germany

**PLACE OF
PRODUCTION**

Siemens AG
Elektronikwerk
Werner-von-Siemens-Strasse 50
92224 Amberg
Germany

DESCRIPTION

Programmable Logic Controller

TYPES

SIMATIC S7 - 300

Comprising the following modules:

Power supply module:	6ES7 307
Interface modules:	6ES7 174, 6ES7 178, 6ES7 360, 6ES7 361, 6ES7 365
CPU:	6ES7 614, 6ES7 312, 6ES7 313, 6ES7 314, 6ES7 315, 6ES7 316, 6ES7 317, 6ES7 318, 6ES7 677
Memory card:	6ES7 951, 952, 953
Simulator module:	6ES7 374
Dummy module:	6ES7 370
Digital input module:	6ES7 321, 6ES7 326
Digital output module:	6ES7 322, 6ES7 326

Certificate No.

98/20056 (E10)

Issue Date

14 February 2014

Expiry Date

15 October 2018

Sheet

1 of 4

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Hamburg Technical Support Office
Lloyd's Register EMEA

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TYPES CONTINUATION

Digital mixed module: 6ES7 323, 6ES7 327
 Analogue input module: 6ES7 331, 6ES7 336
 Analogue output module: 6ES7 332
 Analogue mixed module: 6ES7 334, 6ES7 335

Function modules: 6ES7 350, 6ES7 351, 6ES7 352, 6ES7 353,
 6ES7 354, 6ES7 355, 6ES7 357



8 x IQ Sense and position
 module: 6ES7 338
 Communication processor: 6ES7 340, 6ES7 341, 6GK7 342, 6GK7 343


Y-coupler: 6ES7 197

M7-300 comprising the following modules:

CPU: 6ES7 388
 Function module: 6ES7 356
 Expansion module: 6ES7 378
 Interface submodules: 6ES7 961, 6ES7 962, 6ES7 964

Certified safe type modules:

Ex- Digital input module: 6ES7 321-7RD00-0AB0:  II 3 (2) G
 Ex nA [ib] IIC T4
 (see Certificate No. KEMA 01ATEX
 1057X)
 6ES7 326-1RF00-0AB0:  II 3 (2) G Ex nA
 [ib] IIC T4
 (see Certificate No. KEMA 99ATEX
 2671X)

Ex- Digital output module: 6ES7 322-5SD00-0AB0:  II 3 (2) G Ex nA
 [ib] IIC T4

Certificate No. 98/20056 (E10)
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Sheet 2 of 4




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TYPES CONTINUATION


(see Certificate No. KEMA 01ATEX 1059X)

6ES7 322-5RD00-0AB0:  II 3 (2) G Ex nA [ib] IIC T4


(see Certificate No. KEMA 01ATEX 1056X)

Ex- Analogue input module: 6ES7 331-7SF00-0AB0:  II 3 (2) G Ex nA [ib] IIC T4

(see Certificate No. KEMA 01ATEX 1061X)

6ES7 331-7RD00-0AB0:  II 3 (2) G Ex nA [ib] IIC T4


(see Certificate No. KEMA 01ATEX 1060X)

6ES7 331-7TB00-0AB0:  II 3 (2) G Ex nA [ib] IIC T4


(see Certificate No. KEMA 97ATEX 3039X)

Ex- Analogue output module: 6ES7 332-5RD00-0AB0:  II 3 (2) G Ex nA [ib] IIC T4


(see Certificate No. KEMA 01ATEX 1062X)

6ES7 332-5TB00-0AB0:  II 3 (2) G Ex nA [ib] IIC T4

(see Certificate No. KEMA 98ATEX 2359X)

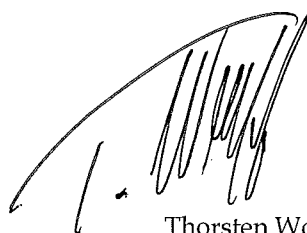
Coupler DP/PA: 6ES7 157-0AD81-0XA0:  II 3 (1) G EEx nA [ia] IIC T4

(see Certificate No. KEMA 01ATEX 1028X)

6ES7 157-0AD82-0XA0:  II 3 G (1) GD Ex nA [ia] IIC T4

(see Certificate No. KEMA 03ATEX 1416X)

Certificate No.	98/20056 (E10)
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Sheet	3 of 4



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APPLICATION

Marine, offshore and industrial applications for use in environmental categories ENV1, ENV2 and ENV3 as defined in Lloyd's Register 's Type Approval System, Test Specification Number 1 - 1996.

OTHER CONDITIONS

Operational limitations for use in hazardous areas are to be obtained from the relevant Ex-Certificates.

Digital input module 6ES7 321 and digital output module 6ES7 322 are to be installed in an RF shielded enclosure (type AE1039.70 manufactured by Rittal or equivalent) with minimum 30 dB shielding between 156 to 165 MHz to satisfy the EMC requirements for radiated emissions in the range 30 MHz - 2 GHz.

"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid certificate."

The attached Design Appraisal Document No. HTS/ETS 29328-14 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

All other details remain as the previous Certificate No. 98/20056 (E9) to which this extension should be attached.

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Sheet	4 of 4

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