



Polski Rejestr Statków

TYPE APPROVAL CERTIFICATE

This is to certify that the undernoted product type

PROGRAMMABLE LOGIC CONTROLLER

SIMATIC S7/M7-300

manufactured by

Siemens AG, I IA AS
Werner-von-Siemens-Strasse 50
D-92224 Amberg
Germany

is approved as complying with the requirements of the

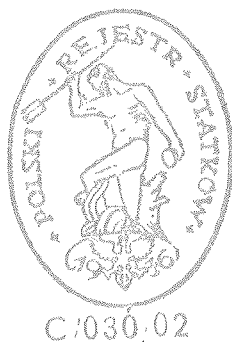
PRS Rules and is suitable for use on board of ships classified by PRS or in appliances with PRS certificates.

Certificate No. TE/1898/883241/11

Expiry date 2016-08-26

Issued at

Gdańsk, 2011-08-26



Signature

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Continued overleaf

Technical data

List of modules as specified in Appendix to the certificate.

Basis of approval

1. SIEMENS Catalog CA 01 10/2005.
2. Test reports Nos. AUT7-B8.4P-9603, A&D AS E 423-0102, A&D AS RD ST Type Test 0401, A&D AS RD ST Type Test-0606, I IA AS R7D ST Type Test-04/09..
3. Inspection of the production process and quality control system carried out in June 2011.
4. Quality System Certificate No. 001323 QM issued by DQS GmbH Deutsche Gesellschaft zur Zertifizierung von Managementsystemen.

Additional conditions and remarks:

1. Operational limitations for use in hazardous areas are to be obtained from the relevant Ex-Certificates.
2. The equipment is not allowed to be installed in the bridge and exposed weather deck area.

Notes

- 1 The approval is valid only when the product is used in accordance with the manufacturer's conditions.
- 2 Changes of product design and materials which influence product quality are to be agreed with PRS.
- 3 Type Approval Certificate will be cancelled in the case of dissatisfactory service results, modifications made in the product structure or materials without PRS' consent, not advising PRS of the manufacturer's name change.

In carrying out survey activities Polski Rejestr Statków S.A. (PRS) makes efforts to ensure that they are conducted with conscientiousness and the principles of good practice, with due regard paid to the state-of-the-art technology. However, neither PRS nor its Surveyors shall bear any civil liability for damage, loss or expense which may arise in consequence or as the outcome of conducting these activities, or the result of information or advice given to the customer by PRS, irrespective of whether or not such were the result of neglect, error or lack of proper information. Nevertheless, should the customer prove that such damage, loss or expense was due to negligence on the part of the Society or its Surveyors, PRS will pay compensation to the customer for his loss up to but not exceeding the amount due for services provided, forming the basis of the customer's claim. In no cases will PRS be responsible for indirect losses (loss of prospective profits, loss of contract, inability to undertake activities, etc.) sustained by the customer and associated with the executing of a commission by PRS.



Polski Rejestr Statków

Appendix to certificate no. TE/1898/883241/11

S7-300

CPU 312, 313, 314, 315, 316, 317, 318, 319, 614,
EC31 with EM-PCI-104 Box and/or EM-PC;
Power supply PS 307;
Interface module IM 174, 178, 360, 361, 365;
I/O SM 321, 322, 323, 326, 327, 331, 332, 334, 335,
336;
Application module FM350, 351, 352, 353, 354, 355,
357;
Serial communication CP340, 341, 342, 343;
Memory card MC 951, 952, 953;
Simulator module SM 374;
Dummy module DM370;

Power supply module: 6ES7 307
Interface modules: 6ES7 178, 6ES7 360, 6ES7 361, 6ES7 365,
CPU: 6ES7 312, 6ES7 313, 6ES7 314, 6ES7 315,
6ES7 318, 6ES7 614, 6ES7 316, 6ES7 317
Memory card: 6ES7 951
Simulator module: 6ES7 374
Dummy module: 6ES7 370
Digital input module: 6ES7 321
Digital output module: 6ES7 322
Digital mixed module: 6ES7 323, 6ES7 326, 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, 6ES7 342, 6ES7 343
Y-Coupler: 6ES7 197

M7-300 comprising the following modules:

CPU: 6ES7 388
Memory card: 6ES7 952
Function module: 6ES7 356
Expansion module: 6ES7 378
Interface submodules: 6ES7 961, 6ES7 962, 6ES7 964

M7-300

CPU 388;
Function module FM 356;
Memory card MC 951, 952;
Expansion module EXM 378;
Mass storage module MSM 378;
Interface submodule IF961, 962, 964;

Appendix to certificate no. TE/1898/883241/11

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
(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 03ATEX 1028X)

6ES7 157-0AD82-0XA0:  II 3G (1) GD Ex nA [ia] IIC T4
(see Certificate No. KEMA 01ATEX 1416X)