



TYPE APPROVAL CERTIFICATE

Certificate No. : NAJ34624-AC001 **Initial Approval** : 23rd May, 2012
Product : Programmable Controller Products, Etc.
Manufacturer : Siemens Industrial Automation Products Ltd., Chengdu
No. 99, Tianyuan road, West High-tech Zone, Chengdu City, Sichuan
Province, 611731, P.R.China
Product Description : Programmable Logic Controllers and components
Type : S7-1200
" See Appendix 1 "
* Applicant : Siemens AG; DF FA AS SIMATIC Type Test
Werner-von-Siemens-Str. 50, 92224 Amberg, Germany

Approval Condition : " See Appendix 1 "

THIS IS TO CERTIFY that the above-mentioned product has been approved in accordance with the relevant requirement of this Society's Rules and / or of the recognized standards as follows and entered in the "List of Approved Manufacturers and Type Approved Equipment".

Pt. 6, Ch. 2, Art. 301 of the Rules for Classification, Steel Ships.

This Certificate is valid until 22nd May, 2022
Issued at Shanghai, China on 25th October, 2017



KOREAN REGISTER OF SHIPPING

[Signature]
General Manager of
Technical Support Team
CHINA KR Co., Ltd.

- Note* : 1. This certificate will be valid subject to complying with the approval conditions described on the certificate and/or on the Rules of this Society.
2. This certificate will be invalid from the expiry date aforementioned unless the extension or renewal has been granted to the applicant or the manufacturer.
3. Any significant modifications or changes in design or construction to the above product without approval from this Society will render this certificate invalid.
4. Should the specified rules, regulations or standards be amended during the validity of this certificate, the product is to be re-approved by this Society in accordance with the requirements as amended.

Appendix 1

Product Description and/or Approval Condition

Certificate No : NAJ34624-AC001

Date of Issue :25th October, 2017

A. Product Description

1. Product Specification

1) CPU

- CPU 1211C AC/DC/Relay. DC/DC/DC, DC/DC/Relay : 6ES7 211
- CPU 1212C AC/DC/Relay. DC/DC/DC, DC/DC/Relay : 6ES7 212
- CPU 1214C AC/DC/Relay. DC/DC/DC, DC/DC/Relay : 6ES7 214
- CPU 1215C AC/DC/Relay. DC/DC/DC, DC/DC/Relay : 6ES7 215
- CPU 1217C DC/DC/DC : 6ES7 217

2) Signal Module:

- SM 1221 DI 8/16X24 VDC : 6ES7 221
- SM 1222 DO 8/16X24 VDC or 8/16XRelay : 6ES7 222
- SM 1223 DI 8/16X24 VDC, DO 8/16XRelay; DI/DO 8/8, 16/16X24 VDC : 6ES7 223
- SM 1231 AI 4/8 : 6ES7 231
- SM 1232 AO 2/4 : 6ES7 232
- SM 1234 AIX4 / AOX2 : 6ES7 234

3) Communication Module

- CM/CB 1241 RS 232 / 485 : 6ES7 241

4) Signal Board

- SB 1221 DI 4X5 VDC or 4X24 VDC : 6ES7 221
- SB 1222 DO 4X5 VDC or 4X24 VDC : 6ES7 222
- SB 1223 DI/DO 2X5 VDC or 2X24 VDC : 6ES7 223
- SB 1231 1XAnalogue Output : 6ES7 231
- SB 1232 1XAnalogue Output : 6ES7 232

5) Power Supply Module

- PM 1207 Input 120/230 VAC / Output 24 VDC 2.5A : 6EP1 332

6) Accessory

- Memory Card : 6ES7 954
- Battery Board : 6ES7 297

2. Approval Drawings and document

- 1) System Manual 11/2009 A5E02486680-02.
- 2) Operating instructions C98130-A7569-A1-04-6419.
- 3) Product Information A5E02808525-01, 01_2010

3. Test Reports

- 1) II AS RD ST Type Test -2010-05 dated 25th Jun. 2010.
- 2) II AS RD ST Type Test -2012-05 dated 24th May 2013.
- 3) SIMATIC Type Test -2014-02 dated 17th Aug 2015.

B. Approval Condition

1. Application & Limitation

- 1) This approval is granted on the basis of the approved drawings with relevant documents, approval test reports
- 2) The product is to be installed as manufacturer's instructions.

2. Individual Product Cert. and Drawing Approval Requirement

- 1) Individual Product Certification is not required.
- 2) Drawing approval for each vessel is not required.

3. Marking

- 1) The product or packing is to be marked with manufacturer name and type designation on a suitable position.

4. Others

- 1) For application in birdge and deck zone a filter is to be fitted in the power supply lines with the following ratings: I=3A, C=2X0.47 μ F, L=4X4.7mH, manufactured by Epcos, type B84113-C-B30 or equivalent.
- 2) Surge Immunity: External Protective circuits required for DC systems.

Appendix 2

Product Description and/or Approval Condition

Certificate No : NAJ34624-AC001

Date of Issue : 25th October, 2017

- 3) Place of Production :
- Siemens AG: DF FA AS SIMATIC Type Test ;
Werner-von-Siemens-Str.50, 92224 Amberg, Germany
 - Siemens Industrial Automation Products Ltd., Chengdu ;
No. 99, Tianyuan road, West High-tech Zone, Chengdu City,
Sichuan Province, 611731, P. R. China

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