

Type Approval Certificate



This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the GL Type Approval System.

Certificate No. 12 065 - 98 HH

Company Siemens AG
I IA AS Betrieb Amberg
Werner-von-Siemens-Str. 50
92209 Amberg, GERMANY

Product Description Distributed Input / Output Units ET 200B, ET 200C, ET 200L, L-SC and IM-SC, ET 200M, ET 200S, ET 200X, SC, ET 200 eco, ET 200 pro; ET200 eco PN*

Type 6ES7 120-124, -127, -131-135, -138, -141-145, -147, -148, -151, -153, -154, -157,-158, -193,-194, -195, -197, -654,-972, 6GK7 142

Environmental Category A**, C, D*, EMC2

Technical Data / Range of Application Modules for Environmental Category D are marked with * (Vibrations with 4g)
Modules for Environmental Category A are marked with **
Power supply: 24 V DC or 120 V AC or 230 V AC
ET 200L and L-SC / ET 200B
6ES7 131/132-1: electronic block with 16 or 32 DI/16 or 32 DO
6ES7 133: electronic block with 8 or 24 DI and 8 DO
6ES7 193: Terminal block
ET 200L and L-SC
6ES7 127: SC - counter, 24 V DC; 40 kHz
6ES7 138: IM-SC 32 Input /32 Output 24 V DC
ET 200 B
6ES7 134/135: electronic block with 4or 8 AI/4 analog outputs
Tests and evidence according Requirement class 3
Software Questionnaire according Requirement Class 3 dated 06-05-1998

Test Standard Guidelines for the Performance of Type Approvals, Chapter 2, Edition 2003
Regulations for the Use of Computers and Computer Systems

Documents Test Report: AUT 7- B 8.4P - 9603; 01049WZs dated 10-05-2001; 53/2002 dated 04-11-2002; 03023WZs dated 11-03-2003; 60/2003 dated 05-12-2003; EMC03-M394 dated 09-05-2003, 04-M060-1254 A1 dated 27-02-2004 and A&D AS RD ST Type Test - 01/05 dated 18-01-2002;

Remarks None

Valid until 2018-04-20

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File No. I.B.07

Hamburg, 2013-04-29

Germanischer Lloyd

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ET 200X

- 6ES7 141*: basic and extended module, with 4 / 8 DI
- 6ES7 142*: basic and extended module, with 4 / 8 DO
- 6ES7 143*: Desina BM/EM, with 8DI/8 DO
- 6ES7 144*: extended module, with 2 / 4 AI
- 6ES7 145*: extended module, with 2 / 4 AO
- 6ES7 147*: Basis module BM 147/CPU
- 6ES7 148: Pneumatic interface module EM 148-P, 4 DI/2 DO, 16 DO
- Power module PM 148*, 4 DO, 24V/2A
- Frequency converter FU, 750 W and 1,5 kW **
- 6GK7 142: Communication processor CP 142-2, AS-interface connection

ET 200 M

- 6ES7 153: Interface module for connection of ET 200M to PROFIBUS – DP / Ethernet (153-4PN)
- 6ES7 157: IM 157 Link; DP/PA Coupler
- 6ES7 158: DP/DP Coupler
- 6ES7 195: DIN - rail active bus modules 1 I/O or 2 I/O
- 6ES7 197: Y-Coupler
- 6ES7 654: Y-IM, Y-Coupler; BM Y-Coupler

ET200S

- 6ES7 131: Electronic module 2/4/8 DI, DC 24V/2 DI AC 120/230 V; 8DI, 4DI 24 ... 48V
- 6ES7 132: Electronic module 2/4/8 DO, DC 24V/0.5 A DC 24 V / 2A; 8DO 2 DO, AC 120/230 V / 1A 2 DO, DC 24 V / AC 230 V / 5A Relay
- 6ES7 134: Electronic module with 2 analog inputs
- 6ES7 135: Electronic module with 2 analog outputs
- 6ES7 138: Electronic module Counter module, SSI, Step, 2 pulse, PM 24 V DC, PM 230 V AC; Reserve module Inc/Digital; Inc/Analog; 4IQ-Sense; 4SI IO-link
- POFIsafe: PM-E-F, 4/8 F-DI, 4F-DO and 8F-DO; , PM-E DC24 ... 48V
- 6ES7 151: Interface module IM151, IM151 /FO, IM151/CPU, IM151/CPU/FO, IM151-3PN, IM151-1 Compact 16 DI/16DO or 32 DI, IM151-3 PN/FO, IM151-8 PN/DP CPU
- 6ES7 193: Terminal modul eTM-E / TM-P

Additional Documents:

- Catalogue ST 70.1997 and CD-ROM dated 06-05-1998
- ET 200M operating instructions EWA-4NEB 780600601-08 dated 12/2008

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ET200 eco*

6ES7 141*: Input module 8/16 DI
6ES7 142*: Output module 8/16 DO
6ES7 143*: I/O module 8 DI/8 DO
6ES7 148*: Input module 4/8 F-DI
6ES7 194*: Terminal block

ET200 eco PN*

6ES7 141: Input Module 8/16 DI
6ES7 144: Analogue Input 8AI
6ES7 147: 8Digital Input/Output
6ES7 148: IO-Link Master
6ES7 194: Terminalblock/Mounting rail

6ES7 142: Output Module 8/16 DO
6ES7 145: Analogue Output 4AO

ET200 pro*

6ES7 141*: Input module 8DI / 16 DI
6ES7 142*: Output module 4DO / 8DO
6ES7 143*: I/O module 4DI / 4DO; 4DIO / 4DO
6ES7 144*: Analogue module 4AI; ...RTD / TC
6ES7 145*: Analogue module 4AO
6ES7 148*: Power module PM-E, EM8 / 16 F-DI, EM4/8 F-DI / 4F-DO, PM-O
6ES7 154*: Interface module / CPU
6ES7 194*: Connection/ Mounting module

ET 200 C

6ES7 141-143: Compact Station with 4DI / 4DO; 8DI / 8DO or 16DI / 16DO
6ES7 144/145: Compact Station with 4AI / 4AO or 8AI / 4AO

ET 200

6ES7 972: PROFIBUS bus connector, Repeater, Terminal
Simatic SC
6ES7 120: Terminal block for SIMATIC SC, 16 channels
6ES7 121-124: Modules with up to 2 DI, 2 DO, 2 AI or 1 analog output

Additional Documents:

Test Report: A&D AS RD ST Type Test-0606 dated 23-06-2006; No. 2008-A074 dated 15-12-2008
I IA AS R&D ST Type Test - 04/09 dated 28-05-2009
E36 141-00-00BS dated 06-09-2012; 2012-A053 dated 04-06-2012

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