

# Certificate

No.: Z2 03 04 38282 002



Siemens AG  
A & D AS  
Werner-von-Siemens-Str.50

92224 Amberg

with the production facility(ies)  
38282

is authorized to label the following product with the  
"TÜV Mark"  
in accordance with the attachment to this certificate. See also notes overleaf.

**Product:** Safety Related Programmable Electronic System

**Model:** SIMATIC S7 F/FH Systems (formerly SIMATIC - S7-400F and S7-400FH)

**Parameters:**

<u>Logic solver:</u>	S7 F :	1oo1D with diverse application software execution self-test, program and data flow monitoring and comparison by safety-related output modules
	S7 FH:	2oo2 configuration of 1oo1D S7 F
<u>Fieldbus:</u>		1oo1 or 2oo2 ProfiSafe
<u>I/O modules:</u>		1oo2 with normally energized outputs or 2oo2 configuration of 1oo2 I/O modules

**Remarks:** For the certification mark the following text is assigned:  
"Functional Safety"

The product meets the relevant safety requirements and above mentioned properties and was tested according to:

- 93/68/EEC Low Voltage Directive
- IEC 61508:1999, parts 1 to 7, SIL 1-3
- (as applicable to PES)
- DIN V 19250:1994
- DIN V VDE 0801:1990 with
- Amendment A1:1994, AK 1-6
- prEN 50159-1:1996 (as applicable)
- VDI/VDE 2180:1996, part 3
- DIN VDE 0116:1989, Chapter 8.7
- EN 298:1993, Chapters 9,10
- EN 954-1:1997
- Safety Categories 2-4
- EN 61131-2:1995
- EN 60204-1:1997 (as applicable)

Report No.: 10042360

Released with the above certificate number by the  
Certification Body of TÜV PRODUCT SERVICE GMBH.

Department: TA-ES/MUC / Bosch  
Date: 08-04-2003

