

CERTIFICATE

No. Z10 04 05 29048 009



Holder of Certificate: ABB Industri AS
Process Automation

0501 Oslo
 Norway

Factory(ies): 29902

Certification Mark:



Product: Safety Related Programmable Electronic System

Model(s): Safeguard 400™ Series

Parameters: Dual Safeguard: 1oo2D (SIL 1-3, AK 1-6*)
 Single Safeguard: 1oo1D (SIL 1-2, AK 1-4*)
 *) acc. DIN V 19250, DIN V VDE 0801 incl. amendment A1

Hints: The reports no. AO52538C (Dual Safeguard) and no. 10059096 (Single Safeguard), are a mandatory part of this certificate. The product complies with the following listed safety requirements only, of the specifications documented in the currently valid revision of this report are met.

Tested according to:

- IEC 61508:2000, parts 1 to 4, SIL 1-3 (to the extent applicable)
- DIN V 19250:1994
- EN 61131-2:2003
- EN 54-2: 1997 (to the extent applicable)
- prENV 1954:1995, chapter 4-8
- FM 7605:1999 (to the extent applicable)
- DIN VDE 0116:1989, chapter 8.7
- EN 298: 1993, chapter 8, 9, 10
- NFPA85: 2002, chapter 4.3 and 4.5
- ISA S84.01:1996 (to the extent applicable)

The listed product was tested on a voluntary basis. The certification mark shown above can be affixed on the product. See also notes overleaf.

The report below and the user documentation in the currently valid revision are mandatory part of this certificate. The product complies with the above listed safety requirements only if the specifications documented in the currently valid revision of this report are met.

Test report No.: AO52538C; E:Z2 00 09 29048 008

Date: 2004-05-28

