

CERTIFICATE

No. Z10 08 10 29902 005



Holder of Certificate: ABB AB, Open Control Systems

SEPA/XA/A
Tvärleden 2
721 59 Västerås
SWEDEN

Certification Mark:



Product: Safety Related Programmable Electronic System

The listed product was tested on a voluntary basis and complies with the relating standards or directives. The certification mark shown above can be affixed on the product. The certification mark must not be altered in any way. See also notes overleaf.

Model(s): 800xA Safety

Parameters: Logic solver: AC 800M High Integrity (HI) comprising
PM865 and SM810 - SIL 1-2, CAT 3, PL e
PM865 and SM811 - SIL 1-3, CAT 4, PL e
I/O modules: AI880A, DI880, DO880 - SIL 1-3, CAT 4, PL e

Further approvals can be found in the report referenced below.

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

Test report no.: AO 63111 C

Date: 2008-11-18
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**Tested
according to:**

IEC 61508:2000, parts 1 to 7, SIL 1-3
 IEC 61511:2003, parts 1 to 3 (to the extent applicable)
 EN 954-1:1996, pr EN 954-2:1999
 Safety Categories 2-4

ISO/EN 13849-1:2006, CAT 4, PL e
 (to the extent applicable)

IEC 62061:2005
 EN 61131-2:2007
 EN 60204-1:2006 (to the extent applicable)
 IEC 61326-3-1:2008
 IEC 61326-3-2:2008
 UL 508:2004 (to the extent applicable)
 UL 1998:2005 (to the extent applicable)
 EN 298:2003,
 chapter 7, 8, 9, 10 (to the extent applicable)
 NFPA 72:2007 (to the extent applicable)
 NFPA 79:2007 (to the extent applicable)
 NFPA 85,
 chapter 4.6.3: 2007
 ISA S84.01:1996 (to the extent applicable)
 FM 7605:1999
 EN 50178:1997
 EN 50156-1:2004
 EN 54-2:1997
 EN 54-2 A1:2007

Factory(ies):

63665, 68474, 68496

Date: 2008-11-18

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