

Certificate



Product Safety
Functional
Safety

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ID 060000000

No.: 968/FSP 2064.00/20

Product tested	Triple Modular Redundant (TMR), Fault Tolerant and Critical Control System 2-out-of-3 with diagnostics and 3-2-0 or 3-2-3-2-0 mode of operation	Certificate holder	ABB Asea Brown Boveri Limited Affolternstrasse 44 8050 Zurich Switzerland
Type designation	Plantguard Version 4, see details in the actual "Revision List"		
Codes and standards	IEC 61508 Parts 1-7:2010 IEC 61131-2:2017 IEC 61326-3-1:2017 EN 61000-6-7:2015	EN 50130-4:2011 + A1:2014 IEC 61010-1:2017 IEC 61010-2-201:2013	
Intended application	The product complies with the requirements of SC 3 and SIL 3 according to IEC 61508 and can be used in safety-related applications for the Process Control, Burner Management, Fire & Gas, Emergency Shutdown Systems, where the safe state is the de-energized state, and applications, where the demand state is the de-energized state or energized state, up to SIL 3.		
Specific requirements	The product was also reviewed in reference to the requirements of IEC 61511-1:2016 + Corr.1:2016 + AMD1:2017, EN 50156-1:2015, EN 54-2:1997 + AC:1999 + A1:2006, EN 298:2012, NFPA 72:2016, NFPA 85:2015, NFPA 86:2015, applicable during a type examination and can be used in application as such.		
Valid until	2023-11-29		

The issue of this certificate is based upon an examination, whose results are documented in Report No. 968/FSP 2064.00/20 dated 2020-05-20.

This certificate is valid only for products which are identical with the product tested.

TÜV Rheinland Industrie Service GmbH
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Köln, 2020-05-22

Certification Body Safety & Security for Automation & Grid

Dr. R. G. A.

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