



TÜVRheinland®

ZERTIFIKAT  
CERTIFICATE

No.: 968/EL 933.00/13

<b>Product tested</b>	Control Board with Safety Functions	<b>Certificate holder</b>	Alstom Transport B.V. Ringdijk 390C 2983 GS Ridderkerk The Netherlands
<b>Type designation</b>	P-SIL1A	<b>Manufacturer</b>	see certificate holder
<b>Codes and standards forming the basis of testing</b>	IEC 61508 Parts 1-7:2010 EN 50128:2001 (in extracts)		
<b>Intended application</b>	3 safety functions in railway applications: - Prevention of Loss of Braking - Prevention of Unintended Movement of the Train - Prevention of Maintaining Traction Effort at Emergency Braking  The realisation of the safety functions complies with the requirements of SIL 2.		
<b>Specific requirements</b>	The instructions of the associated Installation and Operating Manual shall be considered.		
This certificate is valid until 2018-08-05.			

The issue of this certificate is based upon an examination, whose results are documented in report-no.: 968/EL 933.00/13 dated 2013-08-05.

This certificate is valid only for products which are identical with the product tested. It becomes invalid at any change of the codes and standards forming the basis of testing for the intended application.

TÜV Rheinland Industrie Service GmbH  
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Am Grauen Stein, 51105 Köln

Köln, 2013-08-05

Certification Body for FS-Products

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