



TÜV Rheinland Group

TÜV Industrie Service GmbH
Automation, Software und Information Technology

ZERTIFIKAT CERTIFICATE

Nr./No. 968/EL 161.01/04

Prüfgegenstand/Product tested Modular Safety System AIM Safe with high diagnostic coverage and configurable mode of operation	Hersteller/Manufacturer Kongsberg Maritime AS Kirkegardsveien 45, Carpus N-3601 Kongsberg Norway	
Typbezeichnung/Type designation System AIM Safe 2000	Verwendungszweck/Intended application Safety and high reliability related applications such as; A) Emergency Shutdown (ESD) B) Burner Management (BMS) C) Fire And Gas (F&G) D) Process Shutdown (PSD) where; i) the safe state is the de-energised state ii) the safe/demand state is the energized state	
Prüfgrundlagen Codes and standards forming the basis of testing	IEC 61508 (1 - 7)/2000 DIN EN 50156/2004 DIN EN 50178/04.98 IEC 61131-2/2003 IEC 61000-4-2, 3, 4, 5 EN 61000-6-2/1999 EN 61000-6-3/2001 IEC 60068-2-1, 2, 6, 14, 27, 30	EN 55011/08.03 (CISPR 11) EN 54-2/12.97 NFPA 72/2002 NFPA 8501/1997 NFPA 8502/1999 IEC 945/96 (EN 60945/97) IEC 61511-1/12.2003
Prüfungsergebnis Test results	Suitable for safety related applications according to IEC 61508 up to and include SIL 3 (Safety Integrity Level)	
Besondere Bedingungen Specific requirements	The specific configurations and conditions, which are described in the test report-no.: 968/EL 161.00/02 and in the attachments of the test report-no.: 968/EL 161.01/04 must be considered for safety relevant applications.	

Der Prüfbericht-Nr. 968/EL 161.01/04 vom 2004-12-01 ist Bestandteil dieses Zertifikates.

Dieses Zertifikat ist nur gültig für Erzeugnisse, die mit dem Prüfgegenstand übereinstimmen. Es wird ungültig bei jeglicher Änderung der Prüfgrundlagen für den angegebenen Verwendungszweck.

The test report-no. 968/EL 161.01/04 dated 2004-12-01 is an integral part of this certificate.

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.

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2004-12-01

Datum/Date

Firmenstempel/Company seal

Unterschrift/Signature