



TÜVRheinland®

ZERTIFIKAT CERTIFICATE

Nr./No. 968/EL 161.02/08

Prüfgegenstand/Product tested Modular Safety System K Safe with high diagnostic coverage and configurable mode of operation	Hersteller/Manufacturer Kongsberg Maritime AS Kirkegardsveien 45, Carpus 3601 Kongsberg Norway
Typbezeichnung/Type designation System K Safe	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 IEC 61511-1:2003+Corrigendum 2004 IEC 61511-2:2003 IEC 61131-2:2007 IEC 60945:2002 EN 50156-1:2004 EN 54-2:2007 EN 50178:1998 NFPA 72:2002 NFPA 8501:1997 NFPA 8502:1999
Prüfungsergebnis Test results	Suitable for safety related applications according to IEC 61508 up to and including SIL 3 (Safety Integrity Level).
Besondere Bedingungen Specific requirements	The specific configurations and conditions as described in test report- numbers: 968/EL 161.00/02, 968/EL 161.01/04 and 968/EL 161.02/08 must be considered for safety relevant applications.

Der Prüfbericht-Nr. 968/EL 161.02/08 vom 08.07.2008 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 161.02/08 dated 2008-07-08 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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2008-07-08

Datum/Date

Firmenstempel/Company seal

Dipl.-Ing. Heinz Gall