



TÜVRheinland®

ZERTIFIKAT  
CERTIFICATE

EC Type-Examination Certificate

Registration No.: 01/205/0701/10

<b>Prüfgegenstand Product tested</b>	Logic unit to ensure safety functions Safety absolute rotary encoder	<b>Zertifikats- inhaber Licence holder</b>	POSITAL GmbH Carlswerkstraße 13c 51063 Köln Germany
<b>Typbezeichnung Type designation</b>	OCS-CSE1	<b>Hersteller Manufacturer</b>	same as licence holder
<b>Prüfgrundlagen Codes and standards forming the basis of testing</b>	EN ISO 13849-1:2008 + AC:2009 EN 62061:2005 EN 61800-5-2:2007 EN 61508 Parts 1-7:1998-2000		
<b>Bestimmungsgemäße Verwendung Intended application</b>	The absolute rotary encoder (single/multiturn) measures the physical measure of angle and revolutions and converts this into a safety digital position value transmitted via the CAN bus according to the CANopen (DS-301) and CANopen Safety (DS-304) protocol to other field devices. (machinery applications).  The encoder fulfils the requirements of SIL CL3 according to IEC 61508 / EN 62061, PL e and Cat. 4 according to EN ISO 13849-1. It is suitable for the use in safety applications up to SIL 3 and PL e.		
<b>Besondere Bedingungen Specific requirements</b>	The conditions defined in the Programming Manual, Safety Manual and the Operating Instructions must be considered.		
It is confirmed, that the product tested complies with the requirements for machines defined in Annex I of the EC Directive 2006/42/EC.			
This certificate is valid until 2014-12-04.			



Der Prüfbericht-Nr.: 968/M 227.00/09 vom 04.12.2009 ist Bestandteil dieses Zertifikates.

Der Inhaber eines für den Prüfgegenstand gültigen Genehmigungs-Ausweises ist berechtigt, die mit dem Prüfgegenstand übereinstimmenden Erzeugnisse mit dem abgebildeten Prüfzeichen zu versehen.

The test report-no.: 968/M 227.00/09 dated 2009-12-04 is an integral part of this certificate.

The holder of a valid licence certificate for the product tested is authorized to affix the test mark shown opposite to products, which are identical with the product tested.



Berlin, 2010-01-26

Certification body for machinery, NB 0035

Dipl.-Ing. Eberhard Frejno