



# TÜVRheinland®

## ZERTIFIKAT CERTIFICATE

## EC Type-Examination Certificate

Reg.-No.: 01/205/5358.00/13

<b>Product tested</b>	Safety-related drive system with integrated safety functions	<b>Certificate holder</b>	Bernecker + Rainer Industrie-Elektronik GmbH B&R Straße 1 5142 Eggelsberg Austria
<b>Type designation</b>	ACOPOSmulti SafeMC SinCos, Details see Module List "BUM_SafeMC_SinCos_Modulliste_Exc"	<b>Manufacturer</b>	see certificate holder
<b>Codes and standards forming the basis of testing</b>	EN 61800-5-2:2007 EN 61800-3:2004 EN ISO 13849-1:2008 + AC:2009 EN 62061:2005 + AC:2010 + A1:2013	IEC 61508 Parts 1-7:2010 EN 60204-1:2006 + A1:2009 (in extracts) EN 61131-2:2007 (in extracts) EN 1037:1995+ A1:2008	
<b>Intended application</b>	Drive control system with integrated safety functions applicable in dependance of the used safety function: Safe Torque Off, STO, up to SIL 3, PL e, Kat. 4, Safe Torque Off 1, STO1 (single channel), up to SIL 2, PL d, Kat. 3, Safe Brake Control, SBC, up to SIL 2, PL d, Kat. 3, Safe Operating Stop, SOS, up to SIL 3, PL e, Kat. 4, Safe Stop 1, SS1, up to SIL 3, PL e, Kat. 4, Safe Stop 2, SS2, up to SIL 3, PL e, Kat. 4, Safety Limited Speed, SLS, up to SIL 3, PL e, Kat. 4, Safe Maximum Speed, SMS, up to SIL 3, PL e, Kat. 4, Safe Direction, SDI, up to SIL 3, PL e, Kat. 4, Safety Limited Increments, SLI, up to SIL 3, PL e, Kat. 4, Safe Reference, up to SIL 3, PL e, Kat. 4, Safe Maximum Position, SMP, up to SIL 3, PL e, Kat. 4, Safe Limited Position, SLP, up to SIL 3, PL e, Kat. 4, Safe Brake Test, SBT, up to SIL 2, PL d, Kat. 3		
<b>Specific requirements</b>	The instructions of the associated Installation and Operating Manual shall be considered.		
It is confirmed, that the product under test complies with the requirements for machines defined in Annex I of the EC Directive 2006/42/EC.			
This certificate is valid until 2018-10-28.			



Functional Safety Type Approved

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The issue of this certificate is based upon an examination, whose results are documented in report-no.: 968/EZ 546.01/13 dated 2013-10-28.

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, 2013-10-28

Certification Body for Machinery, NB 0035

Dipl.-Ing. Eberhard Frejno