



# TÜVRheinland®

## ZERTIFIKAT CERTIFICATE

### EC Type-Examination Certificate

Reg.-No.: 01/205/5324/13

<b>Product tested</b>	Safety function "Safe Torque Off" (STO) within the drive systems BM463x - BM466x with controller LC3 or ES	<b>Certificate holder</b>	Baumüller Nürnberg GmbH Ostendstraße 80-90 90482 Nürnberg Germany
<b>Type designation</b>	BM463x - BM466x variants - with one safety relay - with two safety relays	<b>Manufacturer</b>	see certificate holder
<b>Codes and standards forming the basis of testing</b>	EN 61800-5-2:2007 EN 61800-5-1:2007 EN 61800-3:2004 EN ISO 13849-1:2008 + AC:2009		EN 62061:2005 EN 60204-1:2006 + A1:2009 IEC 61508 Parts 1-7:2010
<b>Intended application</b>	<p>The safety function STO acc. to EN 61800-5-2 within the frequency inverters BM463x - BM466x with controller LC3 or ES fulfils the requirements as follows:</p> <p>- variant with one safety relay : Cat. 3, PL d acc. to EN ISO 13849-1; SIL CL 2/ SIL 2 acc. to EN 61800-5-2/ EN 62061/ IEC 61508</p> <p>- variant with two safety relays : Cat. 4, PL e acc. to EN ISO 13849-1; SIL CL 3/ SIL 3 acc. to EN 61800-5-2/ EN 62061/ IEC 61508</p> <p>The safety function STO can be used in safety applications up to Cat. 4, PL e acc. to EN ISO 13849-1, as well as SIL 3 acc. to EN 62061/ IEC 61508.</p>		
<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 2018-06-04.			



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/M 390.00/13 dated 2013-06-04.

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, 2013-06-04

Certification Body for Machinery, NB 0035

Dipl.-Ing. Eberhard Frejno