

EC Type-Examination Certificate



Functional
Safety
Type
Approved

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ID 060000000

Reg.-No.: 01/205/0662.01/14

Product tested Overspeed detection system **Certificate holder** Bently Nevada Inc.
1631 Bently Parkway South
Minden, NV 89423
USA

Type designation 3500/53 TMR

Codes and standards EN ISO 13849-1:2008 + AC:2009 EN 61131-2:2007
EN 62061:2005 + AC:2010 + A1:2013 EN 61326-3-1:2008
IEC 61508 Parts 1-7:2010

Intended application The 3500/53 TMR Overspeed Protection System complies with the requirements of the relevant standards (Cat. 3 / PL d acc. to EN ISO 13849-1, SIL 3 acc. to IEC 61508 and SIL CL 3 acc. to EN 62061) and can be used as a 2oo3 configuration in applications up to Cat. 3 / PL d acc. to EN ISO 13849-1 and SIL 3 acc. to EN 62061 / IEC 61508.

The intended application is to initiate the shutdown of rotating machines, when an overspeed event occurs. The de-energized state is defined as the safe state.

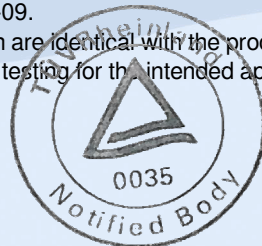
Specific requirements The instructions of the associated Installation, Operating and SIL Safety Manual shall be considered.

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.

Valid until 2019-10-09

The issue of this certificate is based upon an examination, whose results are documented in report-no.: 968/EL 164.06/14 dated 2014-10-09.

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.



Köln, 2014-10-09

Certification Body for Machinery, NB 0035

Dipl.-Ing. Eberhard Frejno