

EC declaration of conformity - original

Doc. No.: DCTC-30133-002

Date: 2017-03-01

- ☒ in accordance with Machinery Directive 2006/42/EC
☐ in accordance with Low Voltage Directive 2014/35/EU
☐ in accordance with EMC Directive 2014/30/EU

The manufacturer,
 Bosch Rexroth AG, Bürgermeister-Dr.-Nebel-Straße 2, 97816 Lohr am Main / Germany
 hereby declares that the products below

Name: Optional safety function module Sx ["Safe Motion" (SMO)]
 for the electric drive system "IndraDrive CL/ML"

Types:	CSB02.5*...-Sx-...	CSH02.5*...-Sx-...	HSZ01.1
	HMU05.1*...-A4-D7-Pxx-Nxxx		HMU05.1*...-A4-D7-N1N-Nxxx
	HMU05.1*...-A4-D7-Pxx-Mxxx		HMU05.1*...-A4-D7-N1N-Mxxx
	HMU05.1*...-A5-11-Pxx-Mxxx		HMU05.1*...-A5-11-N1N-Mxxx
	HPC01.1-MN002		HPC01.1-P001

From the date of
 manufacture: 2017-03-01

were developed, designed and manufactured in compliance with the above-mentioned EU directive.

Harmonized standards applied:

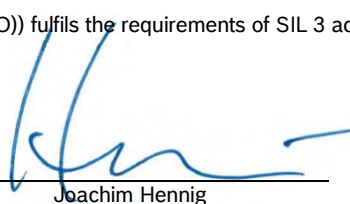
Standard	Title	Edition
EN ISO 13849-1 (ISO 13849-1)	Safety of machinery – Safety-related parts of control systems – Part 1: General principles for design	2015 (2015)
EN 62061 (IEC 62061)	Safety of machinery – Functional safety of safety-related electrical, electronic and programmable electronic control systems	2005 + A1: 2013 + A2:2015 (2005 + A1:2012 + A2:2015)
EN 61800-5-2 (IEC 61800-5-2)	Adjustable speed electrical power drive systems – Part 5-2: Safety requirements - Functional	2007 (2007)
EN 60204-1 (IEC 60204-1)	Safety of machinery – Electrical equipment of machines – Part 1: General requirements	2006 + A1:2009 (2005 + A1:2008)

Notified body that has conducted the EC type-examination procedure in accordance with the above-mentioned directive
 Name, address, identification number: TÜV Rheinland Industrie Service GmbH, Alboinstr. 56, 12103 Berlin / Germany, 0035
 No. of EC type-examination certificate: 01/205/5428.02/17

The individual below is authorized to compile the relevant technical files:
 Name, address: Christian Russo, DC-AE/EPI2, Bürgermeister-Dr.-Nebel-Str. 2, 97816 Lohr am Main / Germany

Further explanations:

The optional safety function module Sx (Safe Torque Off (STO)) fulfils the requirements of SIL 3 according to EN 61800-5-2 / EN 62061 / IEC 61508 and Category 4 / PL e according to EN ISO 13489-1.

Lohr am Main , dated 2017-03-01 ppa.  i.V. 
 Place Date Plant Manager LoP2 Head of Development Drives Solutions

We reserve the right to make changes to the content of the EC Declaration of Conformity. Current issue on request.