

Certificate



Product Safety
Functional
Safety

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ID 060000000

No.: 968/FSP 1454.02/22

Product tested	Safety-Related Programmable Electronic System (2oo3 with diagnostics (2oo3D) and 3-2-1-0 mode of operation)	Certificate holder	Beijing Consen Technologies Co., Ltd. No.7 Anxiang Street, Area B Tianzhu Airport Economic Development Zone, Shunyi District Beijing, 101318 P.R. China
Type designation	TSxPlus System, Details the actual "Revision List"		
Codes and standards	IEC 61508 Parts 1-7:2010 IEC 61131-2:2017 IEC 61131-6:2012	IEC 61326-3-1:2017 EN 61010-1:2010+ A1:2019 + AC:2019 EN IEC 61010-2-201:2018	
Intended application	The product complies with the requirements of the relevant standards (SC 3 and SIL 3 acc. to IEC 61508) and can be used in safety-related applications for Process Control, Burner Management System (BMS), Fire & Gas System (FGS), Emergency Shutdown System (ESD), Process Shutdown System (PSD), Emergency Trip System (ETS), Integrated Turbine/Compressor Control System (ITCC), High Integrity Pressure Protection System (HIPPS), where the safe state is the de-energized state, up to SIL 3. Applications, where the demand state is the de-energized or energized state, up to SIL 3. The product was also reviewed in reference to the applicable requirements of IEC 61511-1:2016 + Corr.1: 2016 + AMD1:2017, EN 50156-1:2015, EN 54-2:1997 + AC:1999 + A1:2006, EN 298:2012, EN 50130-4:2011 + A1:2014, EN 12067-2:2004, NFPA 72:2022, NFPA 85:2019, NFPA 86:2019 and ANSI/ISA -84.00.01-1:2004. Only the OSP01 was also reviewed in reference to the applicable requirements of EN 62061:2005 + AC:2010 + A1:2013 + A2:2015 and EN IEC 62061:2021.		
Specific requirements	For the use of the product the Installation Manual, User Manual, Safety Manual and actual Revision List released must be considered.		

The issue of this certificate is based upon an evaluation in accordance with the Certification Program CERT FSP1 V1.0:2017 in its actual version, whose results are documented in Report No. 968/FSP 1454.02/22 dated 2022-08-02. This certificate is valid only for products, which are identical with the product tested.

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Köln, 2022-08-02

Certification Body Safety & Security for Automation & Grid

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