

CERTIFICATE OF COMPLIANCE

Certificate Number E179304
Report Reference E179304-20150410
Issue Date 2021-03-19

Issued to: Wieland Electric GmbH
Brennerstrasse 10-14
96052 Bamberg GERMANY

**This certificate confirms that
representative samples of**

**ENERGY AND INDUSTRIAL SYSTEMS CERTIFIED FOR
FUNCTIONAL SAFETY**

Open type Devices, programmable controller, SamosPRO
Compact, models

SP-COP followed by 1 or 2, followed by

A or C or EN-A or EN-C or ENI-A or ENI-C

or P-A or P-C or EN-P-A or EN-P-C or ENI-P-A or ENI-P-C

or M-A or M-C or EN-M-A or EN-M-C or ENI-M-A or ENI-M-C

SP followed by SA followed by R, C or CR, followed by 4 or 22,
followed by A or C.

Have been investigated by UL in accordance with the
Standard(s) indicated on this Certificate.

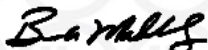
Standard(s) for Safety: See next page for Standards for Safety.

Additional Information: See the UL Online Certifications Directory at
<https://iq.ulprospector.com> for additional information.

This *Certificate of Compliance* does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program

UL LLC

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This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Standard(s) for Safety:

IEC 61508-1 Functional safety of electrical/electronic/ programmable electronic safety-related systems – Part 1: General requirements, Edition 2.0 - Issue Date 2010/04/01
IEC 61508-2 Functional safety of electrical/electronic/ programmable electronic safety-related systems – Part 2: Requirements for electrical/ electronic/programmable electronic safety-related systems, Edition 2.0 - Issue Date 2010/04/01
IEC 61508-3 Functional safety of electrical/electronic/ programmable electronic safety-related systems – Part 3: Software requirements, Edition 2.0 - Issue Date 2010/04/01
ISO 13849-1 Safety of machinery - Safety-related parts of control systems - Part 1: General principles for design, Edition 3 - Issue Date 2015/12/15
ISO 13849-2 Safety of machinery - Safety-related parts of control systems - Part 2: Validation, Edition 2 - Issue Date 2012/10/15
IEC 62061 Safety of machinery – Functional safety of safety-related electrical, electronic and programmable electronic control systems, Edition 1.2 - Issue Date 2015/08/01
IEC 61131-6 Programmable controllers - Part 6: Functional safety, Edition 1.0 - Issue Date 2012-10
IEC 61511-1 Functional safety - Safety instrumented systems for the process industry sector - Part 1: Framework, definitions, system, hardware and application programming requirements, Edition 2.0 - Issue Date 2016-02
ANSI/UL 61496-1 Electro-Sensitive Protective Equipment, Part 1: General Requirements and Tests, Edition 1- Issue Date 2011/09/20
ANSI/UL 60730-2-5 "Automatic Electrical Controls for Household and Similar Use; Part 2 Particular Requirements for Automatic Electrical Burner Control Systems", paragraph H.27, Edition 3 - Issue Date 2014/08/05
ASME A17.1-2016/CSA B44-16, Safety Code for Elevators and Escalators. Includes Requirements for Elevators, Escalators, Dumbwaiters, Moving Walks, Material Lifts, and Dumbwaiters With Automatic Transfer Devices; paragraph 2.26., Issue Date 2016/11/30

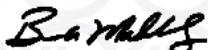
Safety Functions:

- Safety Related digital input and output
- Safety Related analog inputs

With the following performance data:

Up to:

- PL e Cat. 4 (ISO 13849)
- SIL CL 3 (IEC 62061)
- SIL 3 (IEC 61508 / IEC 61511 / IEC 61131-6, UL 61496-1)



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FUNCTIONAL SAFETY REPORT

The following system's modules from Manufacturer "Wieland Electric GmbH" are covered in this report:

Module	Variant	Supply voltage	Connection Type	Additional info
samos®PRO COMPACT (“Standard” Variant)	SP-COP1-A	24 V DC	Screw clamps	Standard
	SP-COP1-C	24 V DC	Push-In clamps	Standard
	SP-COP2-EN-A	24 V DC	Screw clamps	Standard
	SP-COP2-EN-C	24 V DC	Push-In clamps	Standard
	SP-COP2-ENI-A	24 V DC	Screw clamps	Standard
	SP-COP2-ENI-C	24 V DC	Push-In clamps	Standard
samos®PRO COMPACT (“Plus” Variant)	SP-COP1-P-A	24 V DC	Screw clamps	Press and Analog
	SP-COP1-P-C	24 V DC	Push-In clamps	Press and Analog
	SP-COP2-EN-P-A	24 V DC	Screw clamps	Press and Analog
	SP-COP2-EN-P-C	24 V DC	Push-In clamps	Press and Analog
	SP-COP2-ENI-P-A	24 V DC	Screw clamps	Press and Analog
	SP-COP2-ENI-P-C	24 V DC	Push-In clamps	Press and Analog
samos®PRO COMPACT (New “Motion” variant)	SP-COP1-M-A	24 V DC	Screw clamps	Press, Analog and Motion
	SP-COP1-M-C	24 V DC	Push-In clamps	Press, Analog and Motion
	SP-COP2-EN-M-A	24 V DC	Screw clamps	Press, Analog and Motion
	SP-COP2-EN-M-C	24 V DC	Push-In clamps	Press, Analog and Motion
	SP-COP2-ENI-M-A	24 V DC	Screw clamps	Press, Analog and Motion
	SP-COP2-ENI-M-C	24 V DC	Push-In clamps	Press, Analog and Motion
Safety extension I/O-modules	SP-SDIO	--	--	
	SP-SDI	--	--	
Safe Analog Input Modules	SP-SAR4-A	24 V DC (Internal from SBUS)	Screw clamps	4 RTD-Connections (Resistance Temperature Detection)
	SP-SAR4-C		Push-In clamps	4 RTD-Connections
	SP-SAC4-A		Screw clamps	4 Current-Connections
	SP-SAC4-C		Push-In clamps	4 Current-Connections
	SP-SACR22-A		Screw clamps	2 RTD- and 2- Current Connections
	SP-SACR22-C		Push-In clamps	2 RTD- and 2- Current Connections
Non-safety related extension/O-module	SP-DIO	--	--	Non safety related I/O extension modules
Contact extension	Serie SNE	--	--	
Gateway – Modules	--	--	--	Not safety related
SamosPLAN6	Application software class T3 (IEC 61508-3:2010) for PLC-programming			