

# Certificate



Functional  
Safety  
Cyber Security

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ID 0600000000

**No.: 968/FSP 1119.04/18**

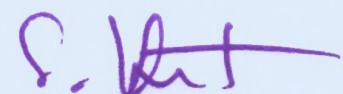
<b>Product tested</b>	Safety-related Programmable Electronic System	<b>Certificate holder</b>	Hitachi, Ltd. Omika Works 2-1 Omika-cho 5-chome, Hitachi-shi Ibaraki-ken 319-1293 Japan
<b>Type designation</b>	vCOSS® S-zero® Functional Safety Controller: Logic Unit Module (LU) (LNL010, LNL020), Digital Input Module (DI) (LND200), Digital Output Module (DO) (LND100), Details see actual Revision Release List		
<b>Codes and standards</b>	IEC 61508 Parts 1-7:2010 IEC 62443-4-1:2013 (65/546/NP)	IEC 62443-4-2:2015 (65/603/DC)	
<b>Intended application</b>	The safety controller complies with the requirements for SIL 3 acc. to IEC 61508 and can be used in applications up to this safety level. Measures for fault avoidance in accordance with SIL 4, IEC 61508, have been applied by the manufacturer.		
<b>Specific requirements</b>	The safety controller further complies with the requirements of the security relevant standards (Security Level 1 (SL 1) acc. to IEC 62443-4-1, IEC 62443-4-2). For the use of the system the safety and security considerations as documented in the product and user guides released by the manufacturer must be considered.		
<b>Valid until</b>	2023-01-31		

The issue of this certificate is based upon an examination, whose results are documented in Report No. 968/FSP 1119.04/18 dated 2018-01-31.  
This certificate is valid only for products which are identical with the product tested.

**TÜV Rheinland Industrie Service GmbH**  
Bereich Automation  
Funktionale Sicherheit  
Am Grauen Stein, 51105 Köln

Köln, 2018-01-31

Certification Body Safety & Security for Automation & Grid



Dipl.-Ing. Stephan Hüb

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