

# Certificate



Product Safety  
SIL/PL  
Capability

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ID 060000000

**No.: 968/FSP 1020.02/19**

<b>Product tested</b>	Non-Contact RFID Coded Safety Interlock Switches	<b>Certificate holder</b>	H. ZANDER GmbH & Co. KG Am Gut Wolf 15 52070 Aachen Germany
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<b>Type designation</b>	ZCode-PR, ZCode-LR, ZCode MZ-LU, ZCode MZ-SU, ZCode MZ-LM, ZCode MZ-SM, ZCode MZA-LU, ZCode MZA-SU, ZCode MZA-LM, ZCode MZA-SM, ZCode MZE-LU, ZCode MZE-SU, Zcode MZE-LM, ZCode MZE-SM ZCode-LRE, ZCode-JR, ZCode-KR
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<b>Codes and standards</b>	IEC 60947-5-3:2013 IEC 60947-5-2:2012 (in extracts)	ISO 13849-1:2015 IEC 62061:2015 + Corr.1:2015
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<b>Intended application</b>	The products can be classified as type 4 guard interlock switches in accordance with ISO 14119. In combination with an external safety control/monitoring device the guard interlock switches can be used as PDDb in accordance with IEC 60947-5-3 in safety applications up to Cat. 4, PL e according to ISO 13849-1 and SIL 3 in accordance with IEC 62061.
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<b>Specific requirements</b>	The guard locking function of the ZCode MZ models shall not be used for personal protection, as the holding force is not monitored. In PL e / SIL 3 applications, in which a periodical demand of the safety function is not ensured by regular operational sequences ( $\geq 1$ /month), the safety function has to be tested manually at least once per month. For systems with series connections of multiple interlocking devices ISO TR 24119 has to be considered, since the maximum achievable safety level could be reduced to lower than PL e and SIL 3. The provisions described in the Operating Instructions shall be considered for the application.
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Valid until 2022-04-28

The issue of this certificate is based upon an examination, whose results are documented in Report No. 968/FSP 1020.02/19 dated 2019-02-15.

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, 2019-02-15

Certification Body Safety & Security for Automation & Grid

Dipl.-Ing. Gebhard Bouwer

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