

EC Type-Examination Certificate



SIL/PL
Capability

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Reg.-No.: 01/205/5931.00/23

Product tested Non-Contact RFID Coded Safety Interlock Switches **Certificate holder** H. ZANDER GmbH & Co. KG
Am Gut Wolf 15
52070 Aachen
Germany

Type designation ZCode-PR (Mastercode), ZCode-PR (Unicode),
ZCode-LR (Mastercode), ZCode-LR (Unicode),
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 (Mastercode), ZCode-LRE (Unicode),
ZCode-JR (Mastercode), ZCode-JR (Unicode),
ZCode-KR (Mastercode), ZCode-KR (Unicode)

Codes and standards EN 60947-5-3:2013 EN ISO 13849-1:2015
EN IEC 60947-5-2:2020 + A11:2022, 8,4, 9.4

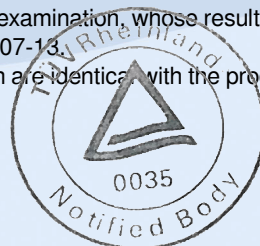
Intended application The RFID coded non-contact switches can be classified as type 4 guard interlock switches acc. ISO 14119:2013. In combination with external control / monitoring devices the guard interlock switches can be used as PDDb acc. EN 60947-5-3 in safety applications up to Cat. 4, PL e acc. EN ISO 13849-1 and SIL 3 acc. EN IEC 62061:2021.

Specific requirements In PL e / SIL 3 applications, in which a periodical demand of the safety function is not ensured by regular operational sequences (≥ 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 24119:2015 has to be considered, since the maximum achievable safety level could be reduced to lower than PL e and SIL 3. The instructions of the associated Installation, Operating and Safety Manual shall be considered.

It is confirmed, that the product tested complies with the requirements for machines defined in Annex I of the EC Directive 2006/42/EC.

Valid until 2028-07-12

The issue of this certificate is based upon an examination, whose results are documented in Report No. 968/FSP 1020.03/23 dated 2023-07-13.
This certificate is valid only for products which are identical with the product tested.



Köln, 2023-07-18

Notified Body for Machinery, NB 0035

Sabine Wiegand

Dipl.-Ing. (FH) Sabine Wiegand