

Certificate



Product Safety
SIL/PL
Capability

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ID 060000000

No.: 968/FSP 1788.00/18

Product tested Safety Interlock Switch **Certificate holder** ABB AB / Jokab Safety
Varlabergsvägen 11
434 39 Kungsbacka
Sweden

Type designation GKey4

Codes and standards IEC 60947-5-3:2013 EN ISO 13849-1:2015
IEC 60947-5-2:2012 (in extracts) IEC 62061:2005 + AC:2015
IEC 60947-1:2014

Intended application The GKey4 series guard interlocking switch can be classified as type 4 in accordance with ISO 14119.
In combination with external safety devices it can be used as PDDb in accordance with IEC 60947-5-3 in safety applications up to SIL 3 and Cat. 4 / PL e in accordance with IEC 62061 and ISO 13849-1.

Specific requirements In PL e / SIL 3 applications, in which a periodical demand of the safety function is not ensured by regular operational sequences ($\geq 1/\text{month}$), the safety function has to be tested manually at least once per month.
For cascaded systems with series connection 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 solenoid locking mechanism is intended to ensure process reliability and not personal protection.

Valid until 2022-06-29

The issue of this certificate is based upon an examination, whose results are documented in Report No. 968/FSP 1788.00/18 dated 2018-12-14.

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, 2018-12-14

Certification Body Safety & Security for Automation & Grid

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