

# EC Type-Examination Certificate



Product Safety  
SIL/PL  
Capability

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ID 060000000

**Reg.-No.: 01/205/5927.01/23**

**Product tested** Safety Interlock Switch **Certificate holder** ABB Electrification  
Sweden AB  
Motorgränd 20  
SE-721 61 Västerås  
Sweden

**Type designation** GKey4

**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

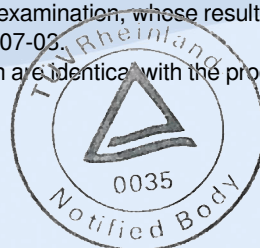
**Intended application** The GKey4-Series guard interlocking switches can be classified as type 4 acc. to ISO 14119. In combination with an external safety device the guard interlocking switches can be used as PDDb acc. EN 60947-5-3 in safety applications up to SIL 3 and Cat. 4, PL e acc. EN ISO 13849-1 and 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 ( $\geq 1$  / month), the safety function has to be tested manually at least once per month. For cascaded systems with series connections of multiple interlocking devices, ISO TR 24119:2015 has to be considered since the maximum achievable DC could be reduced to lower than PL e and SIL 3. The outputs of the GKey4-Series guard interlocking switches are rated for 60 VDC max only. 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 2028-06-27

The issue of this certificate is based upon an examination, whose results are documented in Report No. 968/FSP 1788.02/23 dated 2023-07-03.  
This certificate is valid only for products which are identical with the product tested.



Köln, 2023-12-04

Notified Body for Machinery, NB 0035

*Sabine Wiegand*

Dipl.-Ing. (FH) Sabine Wiegand