

	ABB AB / Jokab Safety	52255-15		
Issued by department J	Date 2023-03-30	Lang. en	Revision b	Page 1 (2)
Doc. kind Product Classification Report	Status of document Released			
Creator name Lars-Magnus Felth	Distribution ABB internal			

MKey

ECN = N	ECCN = N	HS-code = 85389099
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1 Product

<p>1.1 Product description</p> <p>The MKey & Gkey interlock safety switches are designed to provide position interlock detection for moving guards. They are designed to fit the leading edge of sliding, hinged or lift off machine guards.</p> <p>The actuator is fitted to the moving part (frame) of the guard and is aligned to the switch entry aperture. The interlocking switches have rotary heads which provides ease of mounting and offer different actuator entry positions. Some of the switches can be locked in the protective position which prevents unwanted access to machinery until dangerous operations have ceased.</p> <p>The MKey & Gkey switches are available in several versions to meet different needs. All switches are robust and can withstand severe environments. Depending on the environment where the switch will be used, different material can be chosen. Basic versions are encased in robust plastic housing. For extra durability, stainless steel versions are available which makes the switches useful to operate in very harsh environments e.g. food processing and chemical industry.</p> <p>MKey5 is also available in a version approved by ATEX and IECEx for use in hazardous areas where explosive conditions exists.</p> <p>The main usage for the product is in safety systems designed according to the European machinery directive or other related directives.</p>

<p>1.2 Product sales price and product split</p> <p>Indicate the international price ("fair market value") for unrelated parties (list or catalogue price) or the target price for products to be developed. Indicate the respective portions of the product sales price for Hardware / Software / Technology</p> <p>Sales price range for Mkey & Gkey: 400-6000SEK</p> <p>Sold as ready to use product, 100% Hardware</p>
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2 Documents and technical input

<p>2.1 Product documents</p> <p>List the documents (catalogues, brochures, manuals, datasheets etc.) where the relevant product properties and characteristics were taken from. Name the person(s) that provided additional technical information if any.</p> <p>Production examination</p> <p>Price lists</p> <p>ABB/Jokab safety handbook</p>
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<p>2.2 National export control list / U.S. EAR</p> <p>Indicate the list (incl. revision date or number) checked for entry matches.</p> <p>EU 2023/66 Annex 1, January 2023</p> <p>3A001a.5, 3A228, 4A003, 6A226, 9B002, 9B005</p> <p>ECN Checked, no match found</p>

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3 Classification and U.S. content calculation

3.1 Possible entry matches

Search the export control list for potential hardware / software / technology entry matches by index / full text / synonyms; similar products / similar functions / parts / components / elements. List the catchwords and corresponding entry matches.

No match found

3.2 National classification

Check whether relevant conditions of the possible entry matches are met taking into account the General Notes (NTN / GTN / GSN), Notes (category level), Notes / N.B.s (item level) and Technical Notes

- List all entry matches where mandatory conditions are **not** met and the conditions that are not met.
- List all entry matches where the mandatory conditions are met; take the exceptions into account.
- Enter 'ECN = N' in the document heading if b) above is empty.
- Enter the most restrictive entry matches for hardware / software / technology in the document heading.
- Provide a short explanation of the result as per d) above.
- Provide additional information such as general licenses or potential export restrictions for product spare parts.

N/A

3.3 U.S. de-minimis calculation

- Check the product parts, components and elements for U.S. content.
- Check whether the U.S. content is eligible under de-minimis. Indicate valid one-time reports of software / technology.
- Calculate the U.S. content percentage value by dividing the landed cost of the U.S. content by the corresponding portion of the product sales price as per item 1.2 above.
- Enter 'not subject to the EAR' in the document heading if the figures calculated under c) do not 10% respectively 25%.
- Enter 'EAR99' in the document heading if d) is not true and the non-controlled U.S. content exceeds 10% or 25%.
- Enter the most restrictive entry matches for hardware / software / technology in the document heading.
- Provide a short explanation of the result as per f) above.
- Provide additional information such as license exceptions or potential export restrictions for product spare parts.

Not subject to the US EAR (Export administration regulation) components of US origin incorporated with less than 10% of purchase value.

4 Revisions

Rev.	Page	Description	Date Dept./Init.
a	1&2	Document created	27/6 – 2014 LPCP/J LMF
b	1&2	Update to regulations valid 2023 -jan HS-code included from SAP Gkey and Mkey RFID included	30/3-2023 ELSP/R/ LMF