

	ABB Asea Brown Boveri Ltd.		2CCC005504D0201		
Issued by department		Date	Language	Revision	Page
Trade Compliance		2019-05-27	EN	-	1 (2)
Doc. kind	Product Classification Report		Status of document	Released	
Creator name	Dieter Kunert		Distribution	ABB internal	

Circuit breakers, switches and accessories

ECN = N	ECCN = N
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1 Product

1.1 Product description
Describe the product (name, type, part number, version, rating etc.).
<p>ABB low voltage mechanical circuit breakers, switches as per HS-code / customs tariff no. 8535.10 to 8535.90" Electrical apparatus for switching electrical circuits $\geq 1'000$ V" and 8536.10 to 8536.90 "Electrical apparatus for switching electrical circuits $\leq 1'000$ V" and 8538.10 to 8538.90 "</p> <p>Parts suitable for use solely or principally with the apparatus of heading 8535, 8536 or 8537:"</p>

1.2 Product sales price and product split
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
n.a.

2 Documents and technical input

2.1 Product documents
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.
ABB product guide for Low Voltage Products and Systems (<1 kV).

2.2 National export control list / U.S. EAR
Indicate the list (incl. revision date or number) checked for entry matches.
Swiss Ordinance on the Control of Dual Use Goods (GKG), Annexes 1 und 2 'List of Dual-use-Goods and Technology' dated July 2016 (SR 946.202.1)

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.
<div> <div> "voltage": 3A001e2a1, 3A001e2b1, 3A001e2g1, 3A001e2g2a, 3A201a1, 3A201a2, 3A226b, 3A227b, 3A228a2, 3A228c1, 3A230, </div> <div> "switch": 3A228 </div> </div>

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Circuit breakers and switches up to 1000 V		2019-05-27	2/2

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.

"voltage ≥ 5 kV"	3A001e2a1, 3A001e2b1	capacitors
"voltage ≥ 1.1 kV"	3A001e2g1	solid-state pulsed power switches
"voltage > 3 kV"	3A001e2g2a	solid-state pulsed power switches
"voltage > 1.4 kV"	3A201a1	capacitors
"voltage > 750 V"	3A201a2	capacitors
"voltage stability"	3A226b	high energy dc power supply
"voltage stability"	3A227b	high voltage dc power supply
"anode voltage > 2.5 kV"	3A228a2	cold cathode tube switching devices
"anode voltage > 2.0 kV"	3A228c1	fast [electronic] switching modules
"voltage > 6 V"	3A230	pulse generators
"switch"	3A228	[electronic] switching devices

Neither do the potential catchword matches apply to the product description 1.1. above nor does the correlation list indicate potential ECNs for the relevant HS codes.

The content of listed/controlled parts and components including control circuits of general purpose LV mechanical switching apparatus does not exceed 25%.

Conclusion: ECN = N

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.

The U.S. content of foreign made general purpose LV mechanical switching apparatus does usually not exceed 10%.

Conclusion: ECCN = N (not subject to the EAR)

4 Revisions

Rev.	Page	Description	Date Dept./Init.