



TYPE APPROVAL CERTIFICATE

Certificate No:
TAE00000DF
Revision No:
3

This is to certify:

That the Fused Switch

with type designation(s)
OS315 - 1250

Issued to

ABB Oy, Smart Power
VAASA, Finland

is found to comply with

DNV rules for classification – Ships, offshore units, and high speed and light craft
IEC 60947

Application :

Products approved by this certificate are accepted for installation on all vessels classed by DNV.

Issued at **Høvik** on **2023-05-09**

This Certificate is valid until **2027-12-31**.

DNV local unit: **Finland CMC**

for **DNV**

Approval Engineer: **Nicolay Horn**

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Frederik Tore Elter
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Product description

Fused switch-disconnector OS315 -1250.

Technical data:

		OS315	OS400	OS600/ OS630
Rated insulation voltage U_i (V)		1000	1000	1000
Rated impulse voltage U_{imp} (kV)		12	12	12
Rated operation current AC21A (A)	≤ 500V	315	400	630
	690V	315	400	630
Rated operation current AC22A (A)	≤ 500V	315	400	630
	690V	315	400	630
Rated operation current AC23A (A)	≤ 500V	315	400	630
	690V	315	400	630
Rated breaking capacity AC23A (A)	≤ 500V	3200	3200	6400
	690V	3200	3200	6400
Rated short circuit withstand current I_{cw} (kA)	690 / 1 sec.	14	14	18
Rated short circuit making capacity I_{cm} (kA)	690V	28	28	-

		OS800	OS1200	OS1250
Rated insulation voltage U_i (V)		1000	1000	1000
Rated impulse voltage U_{imp} (kV)		12	12	12
Rated operation current AC21A (A)	≤ 500V	800	1200	1250
	690V	800	1200*	1250*
Rated operation current AC22A (A)	≤ 500V	800	1200	1250
	690V	800	1200*	1250*
Rated operation current AC23A (A)	≤ 500V	800	1000	1000
	690V	800	1000*	1000*
Rated breaking capacity AC23A (A)	≤ 500V	6400	8000	8000
	690V	6400	8000	8000
Rated short circuit withstand current I_{cw} (kA)	690 / 1 sec.	18	40	40
Rated short circuit making capacity I_{cm} (kA)	690V	-	-	-

* Categories AC21B, AC22B & AC 23B

Application/Limitation

Ingress protection IP20. To be installed inside switchboard / enclosures.

Installation procedures according to the manufacturer's instructions to be followed.

Environmental classes:

Temperature:	D
Humidity:	B
Vibration	A
EMC:	N/A

Type Approval documentation

Tests carried out

Type tests in accordance with IEC 60947-3. Environmental tests in accordance with DNV-CG-0339.

Marking of product

ABB Oy – Disconnecting switch – Type designation

Periodical assessment



Job Id: **262.1-006128-9**
Certificate No: **TAE00000DF**
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The scope of the periodical assessment is to verify that the conditions stipulated for the Type Approval is complied with and that no alterations are made to the product design or choice of materials.

The main elements of the assessment are:

- Inspection on factory samples, selected at random from the production line (where practicable)
- Results from Routines (RT) checked (if not available tests RT to be carried out)
- Review of type approval documentation
- Review of possible change in design, materials and performance
- Ensuring traceability between manufacturer's product type marking and Type Approval certificate.

Assessment to be performed at 2 and 3,5 year and at renewal.

END OF CERTIFICATE