TYPE APPROVAL CERTIFICATE

Certificate No:
TAE00000DF
Revision No:
2

This is to certify:

That the Fused Switch

with type designation(s)
OS315 - 1250

Issued to
ABB Oy, Protection and Connection
VAASA, Finland

is found to comply with
DNV GL 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 GL.

This Certificate is valid until **2022-12-31**.
Issued at **Høvik** on **2018-02-14**

DNV GL local station: **Turku**

Approval Engineer: **Nicolay Horn**

for **DNV GL**
Digitally Signed By: Andreas Kristoffersen
Location: DNV GL Høvik, Norway

Andreas Kristoffersen
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.

Product description

Fused switch-disconnector OS315 -1250.

Technical data:

		OS315	OS400	OS600/ OS630
Rated insulation voltage Ui (V)		1000	1000	1000
Rated impulse voltage Uimp (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 Icw	690 / 1 sec.	14	14	18
Rated short circuit making capacity Icm (kA)	690V	28	28	-

		OS800	OS1200	OS1250
Rated insulation voltage Ui (V)		1000	1000	1000
Rated impulse voltage Uimp (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 Icw	690 / 1 sec.	18	40	40
Rated short circuit making capacity Icm (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.

Type Approval documentation

Technical info:
ABB Oy catalogue "Low Voltage Products – Fusegear Switch fuses OS" (parts)

Test reports:
TRC test report nos. TA2014 - 52 dated 2015 - 01 - 14 & TA2008-93 dated 2008-12-19, ABB test report nos. L15 - 001 dated 2015 - 01 - 07 & L09-011 dated 2009-05-04. Fimco test reports nos. 240963-1 dated 2006-02-01, 247302-1 & 2 dated 2007-06-08. SGS test reports nos. 255542 - 1 dated 2009 - 06 - 23, 256423 - 1 dated 2009 - 10 - 26, 260380 - 5 dated 2010,-06-30, 260380-3 dated 2010-06-09, 256421-1 dated 2009-10-28, 255382-1 dated 2009-06-18, 26380-4 dated 2010-06-09, 255399-1 dated 2009-06-22 and 256422-1 dated 2009-10-30.

Tests carried out

Type tests in accordance with IEC 60947-3. Environmental tests in accordance with DNV CN 2.4.

Marking of product

ABB Oy – Disconnecting switch – Type designation

Periodical assessment

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