DNV·GL

Certificate No:
TAE00000DD

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Disconnection Switch

with type designation(s)
OT630 - 1600

Issued to
ABB Oy, Breakers and Switches
VAASA, Finland

is found to comply with
IEC 60947

Application :

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

This Certificate is valid until **2017-12-31**.

Issued at **Høvik** on **2015-09-21**

for **DNV GL**

DNV GL local station: **Turku**

Approval Engineer: **Nicolay Horn**

Marit Laumann
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.

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Product description

Switch-disconnector OT600 -1600,

Technical data:

		OT630	OT800	OT1000
				E
Rated insulation voltage Ui (V)		1000	1000	1000
Rated impulse voltage Uimp (kV)		12	12	12
Rated operation current AC21A (A)	≤ 500V	630	800	1000
	690V	630	800	1000
	1000V	630	800	1000
Rated operation current AC22A (A)	≤ 500V	630	800	1000
	690V	630	800	1000
	1000V	630	800	-
Rated operation current AC23A (A)	≤ 500V	630	800	1000
	690V	630	800	1000
	1000V	400	400	-
Rated breaking capacity AC23A (A)	≤ 500V	5040	6400	10000
	690V	5040	6400	10000
Rated short circuit withstand current Icw (kA)	690 / 1 sec.	20	20	50
Rated short circuit making capacity Icm (kA)	690V (3pole / 4 pole, T1000)	80	80	110/92

		OT1250	OT1600
		E	E
Rated insulation voltage Ui (V)		1000	1000
Rated impulse voltage Uimp (kV)		12	12
Rated operation current AC21A (A)	≤ 500V	1250	1000
	690V	1250	1600
	1000V	1250	1600
Rated operation current AC22A (A)	≤ 500V	1250	1600
	690V	1000	1600
	1000V	-	-
Rated operation current AC23A (A)	≤ 500V	1250	1250
	690V	1250	1250
	1000V	-	-
Rated breaking capacity AC23A (A)	≤ 500V	10000	10000
	690V	10000	10000
Rated short circuit withstand current Icw (kA)	690 / 1 sec.	50	50
Rated short circuit making capacity Icm (kA)	690V (3pole / 4 pole)	110/92	110/92

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

Tests carried out

Type tests in accordance with IEC 60947-3. Environmental tests in accordance with DNV SfC 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 survey are:

- Inspection on factory samples, selected at random from the production line (where practicable)
- Results from Production Sample Tests (PST) and Routines (RT) checked (if not available tests according to PST and 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.

Survey to be performed at least every second year.

END OF CERTIFICATE