

# TYPE APPROVAL CERTIFICATE

Certificate No:  
**TAE000013D**  
Revision No:  
**1**

## This is to certify:

### That the **Disconnection Switch**

with type designation(s)  
**OT16 - 125**

Issued to

**ABB Oy, Smart Power  
VAASA, Finland**

is found to comply with

**DNV GL rules for classification – Ships, offshore units, and high speed and light craft**

## Application :

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

Issued at **Høvik** on **2021-02-25**

This Certificate is valid until **2025-12-31**.

DNV GL local station: **Finland CMC**

Approval Engineer: **Nicolay Horn**



for **DNV GL**

Digitally Signed By: Alonso Pontes, Marta

Location: DNV GL Høvik, Norway

**Marta Alonso Pontes  
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 GL AS, its parent companies and subsidiaries as well as their officers, directors and employees ("DNV GL") 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.



Job Id: **262.1-022138-3**  
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## Product description

Switch disconnectors, TYPE OT16 -125\_ for base, DIN-rail or door mounting.

Protection class: IP20  
Rated insulation voltage: 750 V  
Rated operation voltage: 690 V

Type designation	Volt [V]	Amp. 1)			Ics [kA]	Icm [kA]	Icw [kA]	Construction Family
		AC 21A	AC 22A	AC 23A				
OT16F_ OT16FT_ OT16M_	415 500 690	16 16 16	16 16 16	16 16 10	50	0,7	0,5	OT40F_
OT25F_ OT25FT_ OT25M_	415 500 690	25 25 25	25 25 25	20 20 11	50	0,7	0,5	OT40F_
OT40F_ OT40FT_ OT40M_	415 500 690	40 40 40	40 40 40	23 23 12	50	0,7	0,5	OT40F_
OT63F_ OT63FT_ OT45ML_	415 500 690	63 63 63	63 63 63	45 45 20	100 50	1,4	1	OT80F_
OT80F_ OT80FT_ OT63ML_	415 500 690	80 80 80	80 80 80	75 58 20	100 50	1,4	1	OT80F_
OT100F_ OT100FT_ OT100M_	415 500 690	100 100 100	100 100 100	80 60 40	50	3,6	2,5	OT125F_
OT125F_ OT125FT_ OT125M_	415 500 690	125 125 125	125 125 125	90 70 50	50	3,6	2,5	OT125F_

1) According to IEC 60947-1 and 60947-3.

AC 21 = Switching of resistive loads, including moderate overloads.  
AC 22 = Switching of mixed resistive and inductive loads, including moderate overloads.  
AC 23 = Switching of motor loads or other highly inductive loads.

## Application/Limitation

Switch disconnectors for installation inside switchboards / enclosures Onboard Ships and Mobile Offshore units.

Temperature class: D  
Vibration class: A  
Enclosure class: B

To be installed inside switchboard / enclosures.

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

## Type Approval documentation

Name of document	Number	Issue date
Tech Brochure, SwitchLine Load Break Switches / Switch-Disconnectors	OT-OET 1 GB	12/2005

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Tech Brochure, Low Voltage Products, Rotary Type Installation Switches	OT...M22GB	01/2003
Common test procedures for the shipping approvals of the OT_ range	-	16/09/1998
CB Test Certificate and Test Reports for OT	FI5929, FI5931-FI5933, F15936, FI15939M1, FI15945M1, 257441-1, 2 & 3, 257441-3 and 265550-1, 260349-1	02.11.2009, 03.11.2009 20.10.2011, 01/10/1994
Type test on switch-disconnector	9 AFX94-291,	01/10/1994
Vibration test for the OT_ range switch-disconnectors	AUT/TES/742/98,	15/10/1998
Environmental test on safety switches	9 AFX98-239,	28/10/1998

## Tests carried out

Type tests in accordance with:

- IEC 60947-1 / 2007 (CB certificates and test reports)
- IEC 60947-3 / 2008 (CB certificates and test reports)
- IEC 60529 Degree of protection

Environmental tests according to DNVGL-CG-0339:

- 3.6 Vibration Test
- 3.8 Damp Heat Test
- 3.9 Cold Test

## Marking of product

ABB and/or Strömberg OT - 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 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.

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

END OF CERTIFICATE