



# Type Approval Certificate

Germanischer Lloyd

This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the GL Type Approval System.

Certificate No. 12 399 - 98 HH

Company ABB Oy  
Low Voltage Products  
Muottitie 2A  
FIN-65320 Vaasa

Product Description Switch-disconnector & load break switch

Type OT16 - 160, OTP16-125\*)  
OTE16 - 90\*)

Environmental Category C, H

Technical Data / Range of Application OT16 - 160 Switch-disconnector, OTP16-125 & OTE16 - 90 Plastic enclosed safety switch & plastic enclosed load break switches  
Rated current  $I_n$  : 16 - 160 A  
Rated voltage  $U_n$  : 690 V AC  
Rated frequency  $f_n$  : 50 / 60 Hz  
Rated Insulation / Impulse Voltage  $U_i$  : 750 V /  $U_{imp}$  : 8-12 kV  
Utilization categories : AC/DC-20, 21, 22, 23  
I<sub>th</sub> at 690 V : 25 - 200 A  
Rated operational power / rated operational current :  
Current AC23A - 400 V : 7.5/16 - 75/135 kW / A  
Current AC23A - 500 V : 7.5/16 - 75/125 kW / A  
Current AC23A - 690 V : 7.5/10 - 75/80 kW / A  
Rated cond. short-circuit, current r.m.s. : 50 kA  
50 kA, 690 V : 4 - 25 kA / 100 kA, 500 V : 30 kA (OT125A and OT160)  
Back-up fuse : 25 - 250 A  
\*) degree of protection up to IP65 / approved fuse-links acc. IEC 60269

Test Standard Regulations for the Performance of Type Tests, Edition 1997  
IEC 60947-3:2001

Documents Test report : ABB AFX98-3rev.1(4/98) , ABB Report No.9AFX98-239 (10/98),  
SGS Finko Ltd FI 2173, FI 2174, FI 2176 - 2178, FI 2184 - FI 2199 (08/2002),  
VTT/TES/742/98  
Catalogue OT\_OETL 1 GB 03\_05, OT 3 GB 98-11, OT 2 GB 98-10

Remarks none

Valid until 2009-04-28

Page 1 of 1

Type Approval Symbol



File No. I.K.02

Hamburg, 2004-04-29

J. Wittburg

Th. Reimer

Germanischer Lloyd