



# 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. 14 429 - 99 HH

Company ABB STOTZ-KONTAKT GmbH  
Eppelheimer Straße 82  
D-69123 Heidelberg

Product Description Circuit Breakers and Accessories

Type MS450, MS451, MO450, MS495, MS496, MS497, HK4, SK4, UA4, AA4, UA4-HK

Environmental Category C

Technical Data / Range of Application  
Rated current : 0,16-12 A / 0,16-25 A / 16-50 A / 16-100 A  
Rated operational voltage  $U_e$  : 690 V AC  
Rated operational impulse voltage  $U_i$  : 6 kV  
Utilization category : A / AC-3  
Short circuit capacity at 440 - 690 V  
 $I_{cu}$ : 50 up to 100 - 6 up to 100 kA  
 $I_{cs}$ : 25 up to 100 - 3 up to 100 kA

Setting currents : 0,11-12 A / 0,11-25 A / 11-50 A / 11-100 A  
Setting ranges: 20 / 24 / 7 / 10  
Accessories:  
Auxiliary switch blocks: AC-15: 6 A / 230 V, DC-13: 0,25 A / 220V  
AC-15: 3 A / 230 V, DC-13: 0,1 A / 220V  
Signalling switches: AC-15: 6 A / 230 V, DC-13: 0,25 A / 220V  
Auxiliary releases: 20,2 VA / 13 W at pick up / 7,2 VA / 2,4 W continuous duty

Test Standard Regulations for the Performance of Type Tests (1997)  
IEC 60947-1 (1996-09), IEC 60947-2 (1995-12), IEC 60947-4-1 (1990-05)

Documents Test Report : No. 98340TQ03 sample 7 acc. SN\_IACS (09/97, 02/98),

Remarks None

Valid until 2008-07-15

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File No. I.K.01

Hamburg, 2003-07-25

Type Approval Symbol



Germanischer Lloyd

J. Wittburg

J. Altmann

This certificate is issued on the basis of "Regulations for the Performance of Type Tests, Part 0, Procedure".