



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. 25 842 - 05 HH

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

Product Description Motor Protection Circuit Breaker
with additional modules

Type MS 116-xxx
HK1-xx, HKF1-11, SK1-xx, AA1, UA1

Environmental Category C, EMC1

Technical Data / Range of Application Motor Protection Circuit Breaker:
MS 116-xxx (xxx: operational current range 0.16 - 16.0 A)
Rated operational voltage U_e: up to 690V AC
Rated impulse withstand voltage U_{imp}: 6kV
Rated frequency: 50/60Hz
Degree of Protection: IP20 / Utilization category: AC-3
Short circuit making/breaking capacity and back-up fuses, see 'Technical catalog'
Auxiliary Switch Modules:
HKF1-11, HK1-xx: utilization category: AC-15/DC-13
Signal Contact Modules:
SK1-xx: utilization category AC-15/DC-13
Current Working Tripping Modules:
AA1
Undervoltage Tripping Modules:
UA1 (only modules manufactured after week 28 of year 2003,
see indication on the module in the format YWWY)

Test Standard Guidelines for the Performance of Type Approvals Part 2, Edition 2003
IEC 60947-4-1:2000, 60947-5-1:1997

Documents Test reports: PAC 90/02; KEMA 2024892.50; KEMA 2024892.52
Technical catalog: 2CDC001002C0101

Remarks None

Valid until 2011-02-28

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Hamburg, 2006-03-01

Type Approval Symbol



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