

Type Approval Certificate Extension

This is to certify that Certificate No. 00/20066 for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

PRODUCER	ABB Stotz-Kontakt GmbH
PLACE OF PRODUCTION	Eppelheimer Strasse 82 69123 Heidelberg Germany
DESCRIPTION	Circuit breaker
TYPE	MS450-①, MS451-①, MS495-②, MS496-② and MS497-③ ①= rated current 16 - 50 A ②= rated current 40 - 100 A ③= rated current 16 - 90 A
APPLICATION	Marine, offshore and industrial applications for use in environmental categories ENV1, ENV2 and ENV3 as defined in Lloyd's Register's Type Approval System, Test Specification Number 1 - 1996.
DESIGN CODE	IEC 60947-1 : 1999 IEC 60947-2 : 2003 IEC 60947-4-1 : 2000 IEC 60947-5-1 : 1997

"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid certificate."

The attached Design Appraisal Document No. HEC 10684-04 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

All other details remain as the previous Certificate No. 00/20066 (E1) to which this extension should be attached.

Certificate No.	00/20066 (E1)
Issue Date	02 June 2004
Expiry Date	18 August 2008
Sheet	1 of 1


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