




## Type Approval Certificate Extension

This is to certify that Certificate No. 98/20077 (E1) for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

<b>PRODUCER</b>	ABB Stotz-Kontakt GmbH
<b>PLACE OF PRODUCTION</b>	Eppelheimer Strasse 82 69123 Heidelberg Germany
<b>DESCRIPTION</b>	Electronic Overload Relays
<b>TYPES</b>	E 16 DU 0,32 E 16 DU 1,0 E 16 DU 2,7 E 16 DU 6,3 E 16 DU 18,9 E 200 DU E 320 DU E 500 DU E 800 DU
<b>APPLICATION</b>	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.
<b>STANDARDS</b>	IEC 60947-1 (03.2004), IEC 60947-4-1 (12.2002) and IEC 60947-5-1 (11.2003)
<b>ADDITIONAL TESTS</b>	Low temperature test at -5°C for 16 hrs. Types E16DU:  II (2) G see Certificate PTB 02 ATEX 3041 Types E...DU:  II (2) G see Certificate PTB 02 ATEX 3044

<b>Certificate No.</b>	98/20077 (E2)
<b>Issue Date</b>	08 December 2004
<b>Expiry Date</b>	16 December 2008
<b>Sheet</b>	1 of 2



Thorsten Wolff  
Hamburg Plan Approval Centre  
Lloyd's Register EMEA

Lloyd's Register EMEA  
71 Fenchurch Street, London EC3M 4BS

*"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 11401-04 and its supplementary Type Approval Terms and Conditions form part of this Certificate.*

All other details remain as the previous Certificate No. 98/20077 (E1) to which this extension should be attached.

Certificate No. 98/20077 (E2)  
Issue Date 08 December 2004  
Expiry Date 16 December 2008  
Sheet 2 of 2



Thorsten Wolff  
Hamburg Plan Approval Centre  
Lloyd's Register EMEA

Lloyd's Register EMEA  
71 Fenchurch Street, London EC3M 4BS