

## Type Approval Certificate

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

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>	Motor Starters with Field Bus interfaces
<b>TYPES</b>	Motor Starter with integrated motor protection switch MS116: MSD11-FBP Direct MSR22-FBP Reverse  Motor Starter Field Bus Interface for coupling on to motor protection switch MS 325 with 3 digital inputs and 3 digital outputs: MFI21-FBP  Universal Motor Controller with 6 digital inputs and 3 digital outputs and integrated control panel: UMC22-FBP  Field Bus Plug (0.25 - 5.0 m): ASD11-FBP AS-Interface ASP22-FBP AS-Interface PDP21.FBP Profibus PDP22-FBP Profibus DNP21-FBP Device Net MRP21-FBP Modbus COP21-FBP CANopen

Certificate No. 06/20008

Issue Date 09 February 2006

Expiry Date 08 February 2011

Sheet 1 of 2

  
Jochen Körner  
Hamburg Plan Approval Centre  
Lloyd's Register EMEA

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

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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 - 2002.
STANDARDS	EN 60947-1:2001, EN 60947-4-1:2001, EN 60947-5-1:2000, EN 61131-2:2000
ADDITIONAL TEST	Low Temperature Test (0°C/16 hrs)

*"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 Design Appraisal Document No. HEC 14381-06 and its supplementary Type Approval Terms and Conditions form part of this Certificate.*

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