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# DET NORSKE VERITAS

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## TYPE APPROVAL CERTIFICATE

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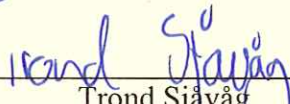
**CERTIFICATE NO. E-8628**  
This Certificate consists of 2 pages

*This is to certify that the*  
**Universal Motor Controller**  
*with type designation(s)*  
**UMC22-FBP**

*Manufactured by*  
**ABB Stotz-Kontakt GmbH**  
HEIDELBERG, Germany

*is found to comply with*  
Det Norske Veritas' Rules for Classification of Ships, High Speed & Light Craft and Det  
Norske Veritas' Offshore Standards  
IEC 60947-1 (2007-06)  
IEC 60947-4-1 (2002-12)

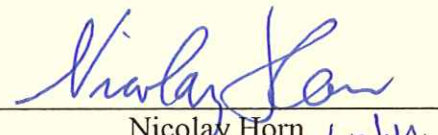
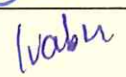
*Place and date*  
Høvik, 2009-01-09  
for DET NORSKE VERITAS AS

  
Trond Sjøvåg  
Head of Section



Local Office  
DNV Essen

*This Certificate is valid until*  
2012-12-31

  
Nicolay Horn  
Surveyor 

**Notice: This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.**

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 2 million. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.



Cert. No.: E-8628

File No.: 823.60

## Product description

FBP FieldBus Plug: Universal Motor Controller UMC22-FBP with thermal overload protection 0.24 – 63 A in a single device type, IP 20.

## Application/Limitation

Technical info:  
Technical Catalogue FieldBuss Plug Components (parts).

Test reports:  
ABB Declaration of Conformity nos. 1SAD938501-0061, issued 2003-01-17  
& 1SAD938501-0065, issued 2003-05-09. Paconsult Testreport No. 0705-05 Rev. 1 issued 2005-03-10. EMV Rhein-Neckar GmbH Test report No. 3893-356, issued 2005-08-02.

## Tests carried out

Type tests according to IEC 60947-1, IEC 60947-4-1 and environmental tests (vibration, humidity, dry heat, low temperature).

## Marking of product

ABB Stotz - type designation - rated current - rated voltage - setting range

## Certificate retention survey

The scope of the retention/renewal survey is to verify that the conditions stipulated for the type approval are complied with, and that no alterations are made to the product design or choice of materials.

The main elements of the survey are:

- Inspection of factory samples, selected at random from the production line (where practicable).
- Results from Production Sample Tests (PST) and Routines (RT) checked (if not available tests according to PST and RT to be carried out)
- Review of type approval documentation
- Review of possible changes in design, materials and performance
- Ensuring traceability between manufacturer's product type marking and the type approval certificate.

Survey to be performed at least every second year.

END OF CERTIFICATE