Type Approval Certificate

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.	**60 245 - 13 HH**
Company	**ABB STOTZ-KONTAKT GmbH** **Eppelheimer Straße 82** **69123 Heidelberg, GERMANY**
Product Description	**UMC100 - Expandable motor management system**
Type	**UMC100-FBP Universal Motor Controller**
Environmental Category	**C, EMC2**
Technical Data / Range of Application	**UMC100-FBP R010x (SW-Version V02.x) and** **UMC-FBP R020x (SW-Version V30.x, ATEX Certificate PTB 10 ATEX 3016)** **Integrated motor control and motor protection for 3-phase AC induction motors; max. 1000V AC, 50/60Hz** **Current range for overload protection: 0.24 ... 63A, expandable with external current transformator** **ABB FieldBusPlug interface, valid for all ABB FBPs (Field Bus Plug)** **Degree of protection: IP20 (valid for all devices)** **Software according to requirement class 3**
Test Standard	**Guidelines for the Performance of Type Approvals, Chapter 2, Edition 2003**
Documents	**Test reports: EMV Rhein-Neckar no. 3893-396a+3893-3112a (25.10.12), 3893-3107 (15.02.12), paconsult no. 12-4421 Rev.1 (25.07.12); Technical description UMC100-FBP (Issue 03.2012), Drawing, circuit diagrams acc. to CD UMC100-System 2012; Software Questionnaire (22.10.12) + Software documentation**
Remarks	**None**
Valid until	**2018-04-18**

Type Approval Symbol

File No. **I.L.01**

Hamburg, 2013-04-19

Germanischer Lloyd

Marco Rinkel

i.A. P. Schröder

Klaus-Peter Schröder

This certificate is issued on the basis of "Guidelines for the Performance of Type Approvals Part 1, Procedure".

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Further Technical data / Range of Application

Expansion modules:
DX111-FBP R010x (SW-Version V1.x)
8 digital inputs 24 V DC (with isolation), 1 analog output (I/U), 4 relay outputs

DX122-FBP R010x (SW-Version V1.x)
8 digital inputs 230 V AC (with isolation), 1 analog output (I/U), 4 relay outputs

VI150-FBP R010x (SW-Version V1.x)
3 phase analog input, 150 – 690 V AC, 1 relay output

VI155-FBP R010x (SW-Version V1.x)
3 phase analog input, 150 – 690 V AC (for IT network systems), 1 relay output

Interface:
MTQ22-FBP R010x (SW-Version V1.x)
Modbus TCP interface for 4 FBP devices

Accessories:
UMC100-PAN Control panel for configuration and parameter setting;
For using on ship the panel is designed for mounting it on the front of a switchgear cabinet.
A door mounting kit is provided.

External current transformers:
CT4L185R/4 Current range up to ....185 A
CT4L310R/4 Current range up to ....310 A
CT5L500R/4 Current range up to ....500 A
CT5L850R/4 Current range up to ....850 A

Valid until **2018-04-18**

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