

Konformitätsbewertungsstelle, Sektor Explosionsschutz

PTB • Postfach 33 45 • 38023 Braunschweig

ABB Stotz-Kontakt GmbH
STO/CRD
Mr Stegmaier
Eppelheimer Straße 82
69123 Heidelberg
DEUTSCHLAND

Your reference: Stegmaier
Your letter of: 22 September 2016
My reference: 3.63-PEX3201600109-Pe
My letter of: 24. Oktober 2016

Handled by: Dipl.-Ing. E. Petereit
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Date: 7 November 2016

Approval for the devices Universal Motorcontroller UMC 100.3 DC and UMC 100.3 UC EC Type-Examination Certificate PTB 10 ATEX 3016

Hardware-Version: B3, Firmware-Version: 40.01

Dear Mr Stegmaier,

Your developers, Mr. Oestreich and Mr. Magin, have assessed and classified the modifications of the firmware (see document "UMC100_3_HW_SW_2016_RevA with approval date 19 September 2016") in such a way that the certified motor protection functions and the functional safety are not affected.



After the firmware modifications (test reports and documents) and the hardware modifications (test reports and documents regarding the relay modification and painting for variants R0210 and R1210) have been checked by the Physikalisch-Technische Bundesanstalt (PTB), you will receive the approval for the production of the devices UMC 100.3 DC and UMC 100.3 UC with the new hardware version B3 and firmware version 40.01.

No new PTB measurements are required, and it is not necessary to issue a new supplement to the EC type-examination certificate.

The types still comply with the requirements of EN 60947-1, EN 60947-4-1, EN 60947-5-1, EN 60947-8, EN 50495, EN 61508, EN ISO 13849, EN 60079-7, EN 60079-14, and EN 60079-17.

They may be used to monitor non-explosion-protected motors and explosion-protected electric motors in accordance with Directive 2014/34/EU Group II of Categories 2 and 3 (gas: zones 1 and 2; dust: zones 21 and 22).

According to EN 50495, the motor-protective devices can protect explosion-protected motors in the types of protection:

 II (2) G [Ex e] [Ex d] [Ex px] or  II (2) D [Ex t] [Ex p], respectively

For guidance and explanations, please refer to the Manual. The complete ignition protection marking and the ATEX marking are visible on the devices.

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The electronic Universal Motor Controllers with communication interface may be installed only outside the potentially explosive atmosphere to protect explosion-protected motors.

When used in potentially explosive atmospheres, the devices must comply with the required type of protection.

Sincerely yours,
On behalf of PTB

A handwritten signature in blue ink, reading "E. Petereit". The signature is written in a cursive style with a prominent initial "E".

Dipl.-Ing. E. Petereit