



miControl®  
NEWS

WE CONTROL IT

## miControl-News / Edition No. 1

Dear Sir or Madam,



the recent past was and is characterized by restrictions and uncertainty for many people. The economic conditions have changed significantly, and many companies have had to adapt to these new circumstances extremely quickly. We, too, have had to face these challenges.

Despite the global political situation, 2021 was the turnover-strongest year for miControl in the company's history.

For us, this is an occasion to present exciting topics from our company in a compact form in a regular newsletter and to share the positive experiences of our customers with you.

In the miControl News we will inform you quarterly about our new developments and technologies in the field of drive technology. At the same time, we will report on trade fairs and events in which we are participating and keep you up to date with interesting news that are currently moving the drive technology industry and miControl.

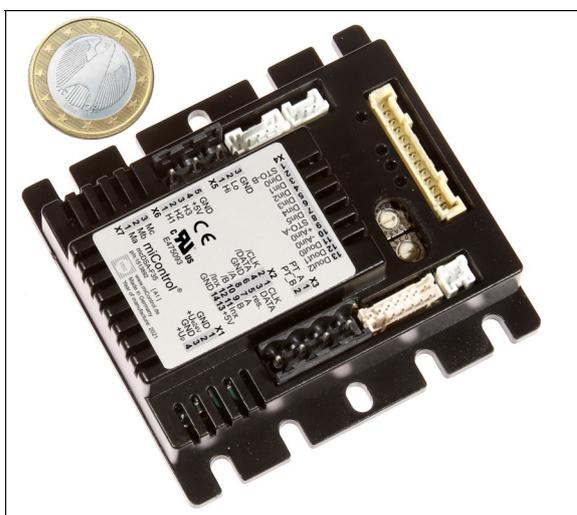
Among other things, we would like to devote the focus of this newsletter issue to the compact 4-quadrant drive controller mcDSA-F35 HC for brushless motors and linear motors, which is used for motor control up to 120 A.

Which measures have contributed to the fact that miControl has come through the global economic and political turbulences comparatively well in the past months will also be the content of our first newsletter. To continue our course in this way and to constantly improve for our customers is the goal that we have set ourselves this year - and we hope that you will join us in doing so!

We hope you enjoy reading our first newsletter.

**Piotr Wojcik**

### **Powerful and compact drive controller mcDSA-F35 HC**



In the F3x-family, the mcDSA-F35 HC drive controller represents one of the product innovations in miControl's premium class.

The compact 4-quadrant drive controller, with dimensions of 87 x 74 x 29 mm and a weight of 155 g, is used for motor control up to 120 A in brushless motors and linear motors.

In addition to the STO (Safe-Torque-Off) safety function, the drive controller also has other drive-based safety functions such as the safety integrity level (SIL) up to SIL 3 and the performance level (PL) up to PL e available. Thanks to the integrated MPU (Motion Process Unit), the controller is freely programmable.

The mcDSA-F35 HC has a hex switch for setting the device nodeld, a device status display with the aid of 3 LED's (Power, Status, Error) as well as overvoltage, undervoltage and overtemperature monitoring.

In addition, a CAN interface (protocol DS301, device profile DS402) and interfaces such as SSI as well as a connection for a PT1000 temperature sensor are already available.

Another benefit: the mcDSA-F35 HC is UL-certified and thus meets the requirements for the US market.

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## Customer satisfaction through flexibility, forward planning, short delivery times

In the last two years, many industries - including the drive technology sector - have experienced supply bottlenecks and price increases for materials. Through high flexibility and forward-looking planning, miControl was able to successfully counteract these trends. Thus, purchasing capacities and activities were significantly increased at an early stage.

The purchasing department was increased by additional staff. In connection with the high vertical range of manufacture in development, all deliveries could be ensured on schedule so far.

Due to the agile company organization, miControl is able to realize even smaller order quantities quickly and accurately.



Not least due to the open and proactive communication, miControl was able to strengthen and further expand the existing customer relationships and win new customers.

For years, miControl has had a strong focus on the development of state-of-the-art and innovative control electronics. In the meantime, the company has become one of the world market leaders in this field. Thus, miControl's products are increasingly in demand and used worldwide.

The quality standards required for this are ensured by close cooperation between development, production and sales.

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## You don't know miControl and you would like to know more about the company.



### About company

miControl GmbH develops and manufactures servo amplifier and control systems for brushless servo and DC brushed servo and stepper motors. These systems are characterized by their compact design with high power density in the smallest space. In addition to the 4-quadrant operation including brake energy regeneration, our systems include an extensive firmware. Founded in 1997 and located in Großbeeren near Berlin, the company employs more than 40 employees and can react quickly and flexibly to customer requirements thanks to its in-house development department.

[More about company](#)



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