



## miControl® informs:

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### **The perfect mix mcDSA-FE55 - Powerful drive controllers for maximum precision**

The **mcDSA-FE55** and **mcDSA-FE55-HC** drive controllers have been available since January 2025.

As a further development of the proven E5x and F5x class, now with vector commutation, they offer a powerful yet price-optimized solution for a wide range of drive applications.



The mcDSA-FE55 series combines modern control technologies with an optimized control structure. By implementing vector commutation, the new controllers enable smooth and quiet running even at low speeds, reduced noise emissions and outstanding performance, for example with external rotor motors.

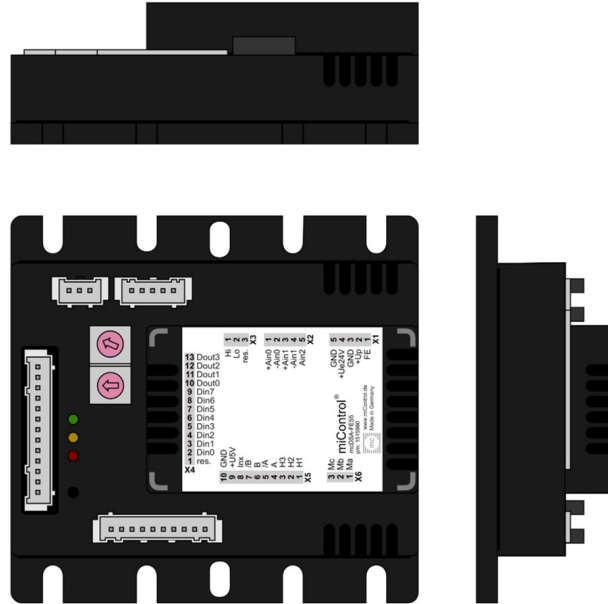
While the mcDSA-FE55 is a versatile standard solution, the HC variant (mcDSA-FE55-HC) offers the option of processing higher currents and therefore more power. This extension makes the new series ideal for more demanding applications.

With the new series, miControl offers a price-conscious solution for customers looking for a perfect mix of functionality, performance and cost optimization. The new mcDSA-FE55 and mcDSA-FE55-HC models are also available as module variants for carrier board mounting to reduce your cabling effort.

The controllers also offer PLC functionality for intelligent control. Both products are UL-certifiable to meet international safety requirements. The combination of functionalities ensures efficient control in a compact design.

Further technical details can be found in the data sheets on our website:  
[https://www.micontrol.de/en/products/overviews/deviceoverview\\_mc\\_dsa-f5x](https://www.micontrol.de/en/products/overviews/deviceoverview_mc_dsa-f5x)

The following illustration shows the schematic diagram of the mcDSA-FE55 drive controller, including its connections and interfaces for control and signal processing.



If you have any questions, please contact our sales team at [vertrieb@miControl.de](mailto:vertrieb@miControl.de).



**Contact for Newsletter:**

**Sales**  
**Tel.: +49 (3379) 312 59 - 20**  
**[vertrieb@miControl.de](mailto:vertrieb@miControl.de)**

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**Imprint:**

**miControl GmbH**  
Chausseestraße 34 / 14979 Großbeeren (Diedersdorf)

Phone: +49 3379 312 59 - 0  
Fax: +49 3379 312 59 - 19

E-Mail: [info@miControl.de](mailto:info@miControl.de)  
[To Homepage](#)

HRB 18352 P Amtsgericht Potsdam  
Managing Director: Piotr Wojcik und Dariusz Parma  
USt.-IdNr. DE241403508