

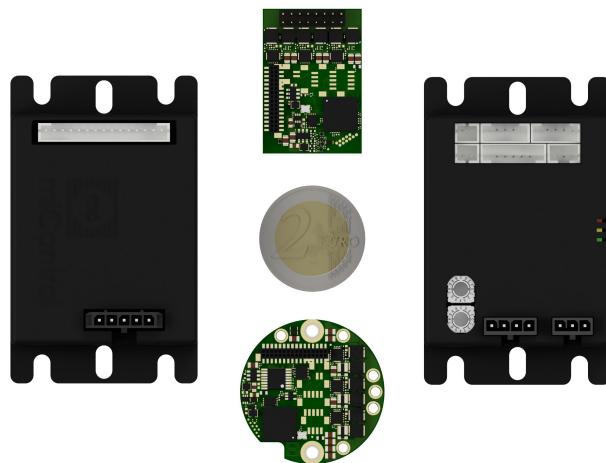


miControl® informs:

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New variants of the mcDS series: mcDS-m3 & mcDS-h3 – compact, flexible, powerful

Following the successful launch of the mcDS-i3 controller generation, miControl is expanding its product portfolio with two new variants based on the proven mcDS-i3 technology: the mcDS-m3 and the mcDS-h3. Both models offer the same performance and range of functions as the mcDS-i3 – now in new form factors for maximum flexibility when integrating them into your application.



mcDS-m3 – Compact module for carrier board mounting

The mcDS-m3 (m = module) is a model in the mcDS 3 series and was specially developed as a compact module for mounting on carrier boards. With a PCB size of only 24 mm × 35 mm, the mcDS-m3 is particularly space-saving and therefore ideal for multi-axis applications or compact systems where every millimeter counts.

Thanks to its modular design, the mcDS-m3 can be seamlessly integrated into customer-specific circuit board layouts – without compromising on performance or functionality.

mcDS-h3 – External controller in a robust housing

The mcDS-h3 (h = housing) offers the same functionality as the mcDS-m3, but is housed in a robust enclosure with connectors – ideal for external cabling or installation in a control cabinet. This makes it the perfect solution for applications where a compact but fully enclosed controller is required.

Common features of the mcDS-m3/mcDS-h3 series

Both variants are UL-approved and offer the full range of functions of the mcDS-i3 in a compact form factor:

Precise FOC control ensures maximum smoothness and dynamics, optionally supplemented by feedback with Hall and incremental encoders. The controllers can be seamlessly integrated into existing networks via CANopen; IO-Link is also available for easy parameterization and diagnostics.

For safety-related applications, the STO function (Safe Torque Off) is included as standard. The power range corresponds to that of the mcDS-i3 – up to 40 A peak current – and for thermally demanding environments, both versions are also available as HC versions with integrated cooling.

Uniform platform – maximum selection

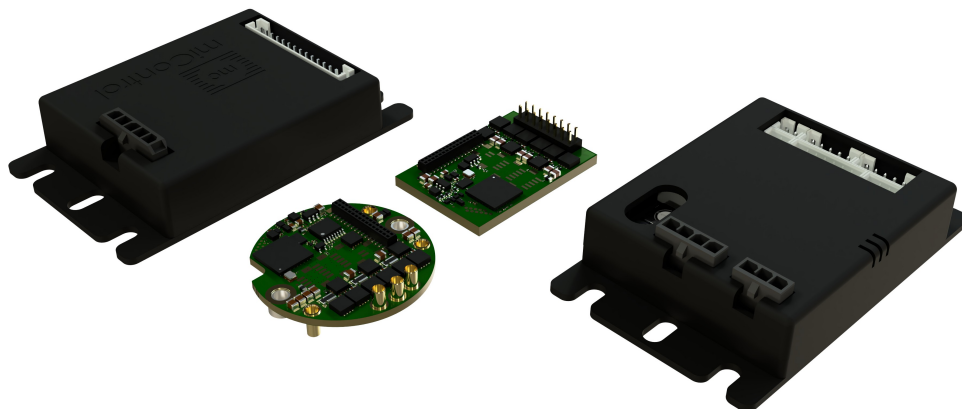
With the new mcDS-m3 and mcDS-h3 variants, miControl now offers a consistent modular system: from the integrated controller (mcDS-i3) to the module (mcDS-m3) to the external device (mcDS-h3) – all are based on the same software and interface platform.

This gives users the familiar compatibility with mcTools and mPLC, as well as a uniform installation and communication concept across the entire product family.

The miControl portfolio is thus growing into a comprehensive drive solution that covers almost all requirements of modern decentralized drive technology. Technical data, data sheets, and availability dates will be published shortly on our website: www.miControl.de

Individual consultation and quote

Would you like to use the mcDS-m3 or mcDS-h3 in your application? Then get in touch with us! Our sales team will advise you individually and provide you with a suitable quote. vertrieb@miControl.de





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