

Innovative and revolutionary speed controller.

Compact OEM module for brushless DC motors with Hall sensors.

The maxon motor DEC module 50/5 controller is a digital amplifier with speed controller for controlling electronically commutated (brushless) DC motors with Hall sensors up to 250 watts.

The powerful plug-in module can be seamlessly integrated into complex applications with minimum effort, allowing customers to focus all their attention on developing their own equipment. Motor control should only be a secondary consideration for customers, as they can rely on maxon motor's drive expertise which is integrated in the module. There is a comprehensive motherboard design guide for integration into OEM boards and a detailed evaluation board available for the initial start-up.

The module works with an operating voltage of up to 50 VDC. With an output current of 5 A in continuous operation, its usage is both flexible and versatile but also highly efficient. The amplifier offers a large number of inputs and outputs, including enable, speed ranges, speed monitor, direction of rotation presetting, current limiting, operating status etc., and offers comprehensive protection features. This means that, for example, overcurrent, undervoltage and overvoltage, thermal overload and short circuit are integrated to ensure that the controller can be used securely.

Constant miniaturization has produced an all-in-one amplifier with an extremely high power density of 250 watt continuous output power at 12 cm² (3 x 4 cm). With its extensive protective functions, simple integration in all kinds of applications and an attractive price, the DEC module 50/5 is the ideal solution for any drive challenge.

Comprehensive operating instructions (including motherboard design guide) are available for download from the Internet at shop.maxonmotor.com.

Approximate scope of report: 1849 characters, 274 words

This Media Release can be downloaded from: www.maxonmotor.com

maxon motor ag

Brünigstrasse 220

Postfach 263

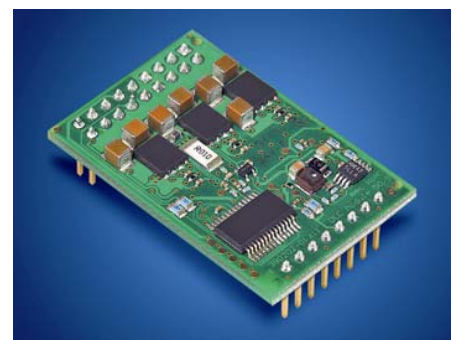
CH-6072 Sachseln

Tel: +41 (41) 666 15 00

Fax: +41 (41) 666 16 50

E-Mail: info@maxonmotor.com

Internet: www.maxonmotor.com



DEC module 50/5: compact speed controller for brushless DC motors with Hall sensors of up to 250 watts constant power.