

MACS4-DC3: Compact 3-axis Motion Control Power module



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The MACS4-DC3 is a small-sized motion control solution, specially designed for integration in technical equipment. It is possible to connect up to three 24V or 48V servo motors. The PWM power stages, as well as the positioning and synchronisation logic, are integrated in the compact housing.

Typical fields of application include robots and X/Y/Z tables. Feedback sensors such as incremental, SSI or SinCos encoders, can be connected directly without the need for additional external interface hardware. More than one feedback sensor can be evaluated per axis. This is key for high-precision positioning tasks including automatic slip compensation.

The MACS4-DC3 is a freely programmable device which makes it easy to adapt the functionality exactly to the application requirements. Even highly sophisticated motion control and process tasks can be delegated to the MACS4-DC3. A supervisor system can just call up the required functionality by using USB, CAN or EtherCAT commands. Stand-alone operation is also possible.

OEM versions with special connector types, housings, or enhanced power stages, are available starting from 500 units per year.