

Step Motors Suited for Multi-Axis Applications

The IS23x-MA Intelligent Step Motors, based on the MotionChip DSP Control Technology, is specially adapted to distributed motion control applications with integrated intelligence. These ready-to-run motors have a cost optimized design, embedding stepper motor, power electronics, controller, and interface into a single compact unit together with basic local digital and analog I/O signals and PLC functionalities. This structure significantly reduces the motor cabling through the machine and eliminates the usage of external setup analog components. The IS23x-MA has been developed in two motor lengths, offering 1.0 to 1.8 Nm permanent output torque and operated from a 12 to 48 V single power supply. High resolution settings to the equivalent of up to 256 microsteps/step can be used.

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