World’s Most Compact Drive with an Integrated Motion Controller

MICROMO is pleased to announce a new 22mm innovation that extends the portfolio of the BX4 range of four pole brushless DC servomotors from FAULHABER. The series 2232 / 2250…BX4 CSD/CCD is the world’s most compact drive with an integrated motion controller. This new series combines all the advantages of the BX4 four pole brushless technology with a single axis motion controller. High reliability, high torque, compact slotless design with no cogging torque, and robust construction without the use of adhesives make this new series ideal for complex applications such as robotics, automation, medical and laboratory technology, specialty machinery and aerospace.

The flexible and easy to use drives are available with a RS-232 serial or CAN interface. Configuring the drives is simple using the complimentary FAULHABER Motion Manager 4.4 software. The drives are based on the flexible and easy to use FAULHABER motion control platform. The compact motion controller, which fits within the diameter of the motor, combined with the motor and a full range of gearhead combinations provides a versatile modular platform for a variety of applications. The drives have a wide operational temperature range from -25°C to 85°C and provide a continuous current up to 0.69 A with a peak of up to 3A. The speed can be precisely controlled from down to 5 rpm and up to 8000 rpm. Custom firmware and software are available on request. All of the drives have factory preset current limits to protect the motor and electronics during normal operation. Upon request , the drives can be supplied with separate motor and electronics voltage supply connections.

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