



The most compact of its range

FAULHABER Brushless DC-Servomotors Series 1218...B available in the UK from EMS.

FAULHABER has expanded its high performance range of brushless DC servomotors to include the new Series 1218...B. It is designed to address applications where high power and overall motor size is a key requirement. Its 18 mm length makes it the most compact drive on the market in the 12 mm diameter size. It has a wide standard operating temperature range from -20°C to 100°C. Based on the revolutionary System FAULHABER ironless slotless stator winding design, the motor provides a reliable option for challenging fields of application such as medical pumps, robotics, and laboratory automation.

1218...B servomotors deliver continuous torque up to 1mNm and have integrated digital Hall sensors for positional and speed feedback. When combined with the wide range of FAULHABER planetary or spur gearheads, the output torque can reach up to 300 mNm. For high precision positioning applications, FAULHABER zero backlash spur gearheads provide a compact alternative to reduce or eliminate undesirable mechanical play in the application.

FAULHABER offers a complete portfolio of drive electronics to match the requirements of the 1218...B. From the miniaturized SC 1801 2 and 4 Quadrant speed controller to the compact MC 3002 motion controller with serial or CAN interface, FAULHABER has the right solution to fit the application.

- For compact size applications
- Continuous torque: up to 1 mNm
- Speed: up to 67000 rpm
- Temperature range: -20...+100°C
- Long lifetime
- Ideal for combination with planetary and spur gearheads.

