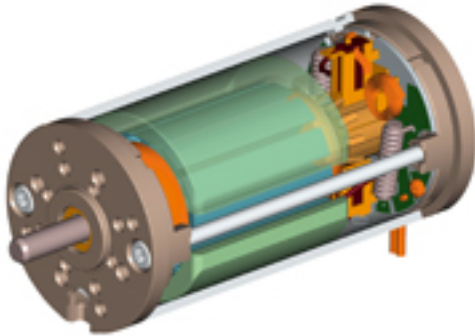


63-mm PMDC Motors Tout High Power and Quiet Operation



Buehler Motor introduced a new series of 63-mm permanent magnet brushed (PMDC) motor designs for integration into commercial applications. Intended for applications such as building automation, including commercial door systems and window actuators, the new PMDC motors offer flexible design with high power output, quiet operation and long life. According to the company the PMDC motor design uses cost-efficient ferrite magnets combined with optimized magnet circuits housed in a 12-slot armature design. The motor lamination is also enhanced for maximum copper fill and uses the latest low-loss material to save space and increase torque generation. By redesigning the motor's magnet edges, the company has significantly reduced its "cogging" torque to minimize vibrations and noise, and the two ball-bearings design provides minimum friction loss and maximum service life even under extreme conditions. Both ends of the new Buehler 63-millimeter PMDC motors feature identical end covers that offer a variety of mounting options, including a reduction gear or various accessories such as a low-resolution magnetic encoder and high-resolution optical encoder. The flexible end design also allows for attachment of an electro-magnetic brake. The motor's power cables are designed to allow for both radial and axial exit from the motor.

Buehler Motor

919-380-3329, www.buehlermotor.com [1]

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