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TECHNOLOGY GROUP

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Artisan Technology Group
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Find the *Parker / Compumotor CM233BD-00133* at our website: *Click HERE*



SM Series High-Performance Slotless Design

The SM Series brushless servo motors feature a slotless stator design. This design eliminates all detent torque in the motor, allowing the SM Series motors to provide extremely smooth motion, especially at low speeds. The slotless design also creates a higher rotor inertia, which is ideal for applications involving high inertial loads (such as lead screws and belt drives).

The SM Series motors also feature a rugged anodized aluminum body and connector housing. An IP65 rating can be obtained on motors with MS connectors and an optional shaft seal. All SM motors are CE (LVD) compliant.

The SM Series servo motors are available with integrated planetary gearheads in ratios up to 100:1. Our unique package integrates the gearhead pinion into the motor shaft, reducing the overall package length by up to 2 inches.

SM Series Features

- Size 16 and 23
- 0.8 to 11.3 lb-in continuous torque
- Brushless construction
- Slotless design
  - Negligible detent torque
  - Reduced torque ripple
  - Medium inertia
- High-performance neodymium magnets
- Thermostat protected
- TENV housing
- IP65 option
- Feedback options
  - Encoder/Hall effect
  - Hall-effect only
  - Resolver
- Connectorization choices
- Special winding availability
- Ten day deliveries
- Two-year warranty
- CAD (.dxf) drawings available
- CE Compliant

Part Numbering System

SM	232	A	E-	N	MS	N
SM Series	*Frame, Magnet Length* 160 230 161 231 162 232 233	*Winding* A B	*Feedback* D - 500 ppr encoder[1] E - 1000 ppr encoder[1] H - Hall-effect only R - resolver[2]	*Shafting* N - normal F - flat K - keyway[2] L - long[2]	*Connection* FL - 18" leads 10 - 10' cable[3] 25 - 25' cable[3,5] MS - military style TQ - trap drive GS - Gemini amp[6] series	*Options* N - none V - shaft seal[4] GXX - Gearhead[7]

1 *Includes Hall-effect*
2 *Not available on size 16 or SM230*
3 *Cable is hard-wired*
4 *With MS, TQ or GS connectors—IP65, not available on size 16*
5 *Size 23 only*
6 *See amplifier sections for specific motor/amplifier compatibility*
7 *Specify "K" shaft option with Gearheads*

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