



ANIMATICS®

Class 4 & Class 5 Comparison Chart

SmartMotor™ Features	Class 4	Class 5*
Combitronic Communication		✓
Trapezoidal Commutation	✓	✓
Sinusoidal Commutation		✓
IP 65 or higher rating		✓
DC solution	✓	✓
24V I/O Available		✓
Flash Upgradable Firmware		✓
User Definable Interrupts		✓
Independent Timers		✓
Advanced Diagnostics		✓
Stand-alone Coordinated Motion		✓
Phase Adjust Mode		✓
Modulo Count Mode		✓
Expanded Electric Gearing (acc/decel)		✓
Profibus	✓	✓
DeviceNet	✓ **	✓
CANopen	✓ **	✓
Ethernet - TCP/IP	✓ **	✓
10 additional 24V DC I/O points (optional)		✓
Floating Point Variables & Trigonometric Functions		✓
62.5 microsecond PID Update Rate		✓

* These are the current features for Class 5. More features may be added in the future.

** Class 4 fieldbus options use a gateway and the gateway speed is 19.2 kbaud.

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