




Drive	Input Voltage (VAC)	Output Voltage Range (VDC)	Max. Armature Current	HP Rating @ 90 VDC Output	HP Rating @ 180 VDC Output	Enclosure	Reversing *****	Isolation	Field Supply (VDC) ****	UL Listed 	CSA 	CE TUV 
MM03-115AC-PCM	115	0-90	3	1/50 - 1/4	-	CHASSIS	-	0-10 VDC 4-20 mA	YES	YES	-	-
MM03-230AC-PCM	230	0-180	3	-	1/25 - 1/2	CHASSIS	-	0-10 VDC 4-20 mA	YES	YES	-	-
MM10-115AC-PCM	115	0-90	10*	1/8 - 1	-	CHASSIS	-	0-10 VDC 4-20 mA	YES	YES	-	-
MM10-230AC-PCM	230	0-180	10*	-	1/4 - 2	CHASSIS	-	0-10 VDC 4-20 mA	YES	YES	-	-

* Heat sink number 223-0159 must be used when the output is above 5 amps.

**** The field supply is rated at 1 amp. A 50/100 VDC field is available with 115 VAC input and a 100/200 VDC field is available with 230 VAC input.

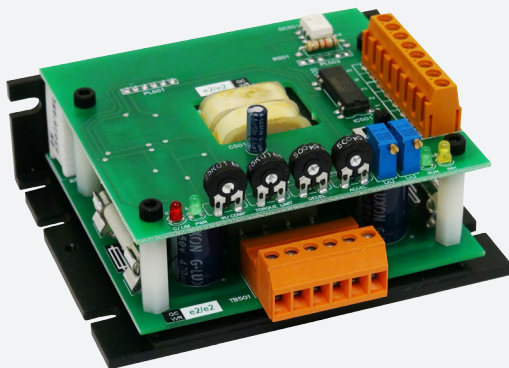
***** See regenerative drives in Section C for SCR drives that can reverse on-the-fly.

Similar to our MM23000C Series in length and width, the “piggyback” design allows for many additional features in a small package.

The MM-PCM Series drive accepts non-isolated voltage (0-10 VDC) or current (4-20 mA) signals coming from an in-plant process, programmable logic controller, motion controller, etc. to control speed. This results in significant labor and material cost reduction compared to other systems employing a separate drive and isolation card. The drive can be wired for normally open or normally closed contacts.

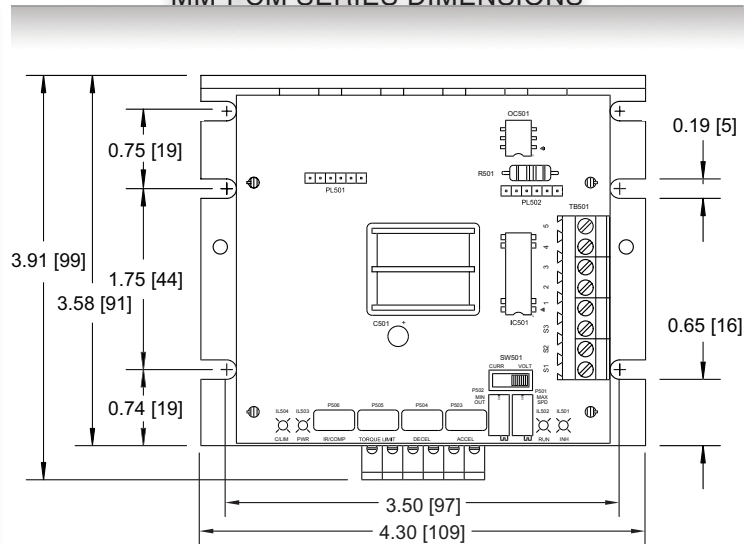
Choose the MM-PCM Series when there is a need for an isolated SCR drive with more features and better performance than the PCM20000 Series but less than that of the MM300 Series.

See page 50 for an in-depth comparison of the different 1Q SCR drives.



MM03-115AC-PCM
MM03-230AC-PCM
MM10-115AC-PCM
MM10-230AC-PCM

MM-PCM SERIES DIMENSIONS



Height: 2.16 [55]

All dimensions in inches [millimeters]

Wiring diagram can be found on page 62.

FEATURES

- **MM footprint:** A compact industry standard footprint.
- **Isolated inputs:** Accepts floating or grounded signals of 0-10VDC or 4-20mA for controlling the speed of the motor. Burr-Brown isolation provides .01% linearity.
- **Speed range, regulation, & form factor:** 2% of base speed regulation with a 60:1 speed range and a 1.37 form factor at maximum rated voltage.
- **User adjustable calibration pots:** Minimum Speed (12 turn), Maximum Speed (12 turn), Current Limit, IR Compensation, Acceleration and Deceleration.
- **Diagnostic LEDs:** LEDs for power, run, inhibit, and current limit status.
- **Stopping modes:** Choose N.O. or N.C. terminals to remotely decelerate to a stop by either closing or opening contacts.
- **Terminal blocks:** Allows users to easily wire controllers.
- **Additional features:** On-board line fusing.
- **Accessories:** Heatsink 223-0159, DLC600 digital closed loop controller.
- **RoHS:** All MM-PCM series models are RoHS compliant.