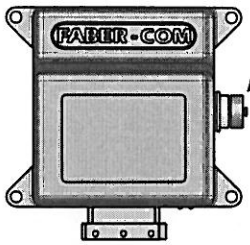
MDE-PWM PSCH54PD3M2 version

FABERCOM

Serial port



To adjust output parameters (start current, max current, ramps, PWM frequency) you can use:

- PRG2B serial programmer (small 4 keys keyboard).
  Only main parameters can be modified.

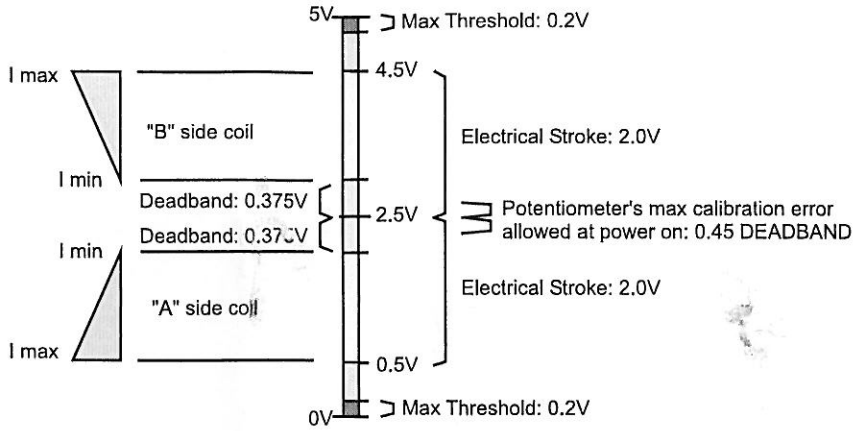
- AISB (Serial Interface Adapter)
  to be connected to a Personal Computer serial port.
  With SepSim software you can adjust all parameters, upload and save configuration in a file then download it in a new device.

Signal configuration:

Deadband = ±0.375 V
Signal stroke = ±2.0 V
Limit thresholds = 0.2 V and 4.8V

Power-on check enabled:
at power-on reference signals must be between ± 0.45 x deadband = ±0.17V.

NOTE:
Signal reference signals must always remain between 0 and +5V.



Input/utput configuration:

Pin 7A is configured as: +5V stabilized output to be used as potentiometers supply - max 50 mA
This in an hardware configuration and can not be changed by user.

Pin 7B is configured as: On/off input for SET2 speed selection.
When connected to a positive (+5V or Vsupply) = SET1 (fast).
When disconnected = SET2 (slow)

Pin 7C is configured as: Bypass output. All six semiaxis (Xa, Xb, Ya, Yb, Za and Zb) activate it. Turn off delay = 1 sec.

PWM output configuration:

SET 1 (fast)
Imin = 300 mA
Imax = 830 mA

SET 2 (slow)
Imin = 300 mA
Imax = 620 mA

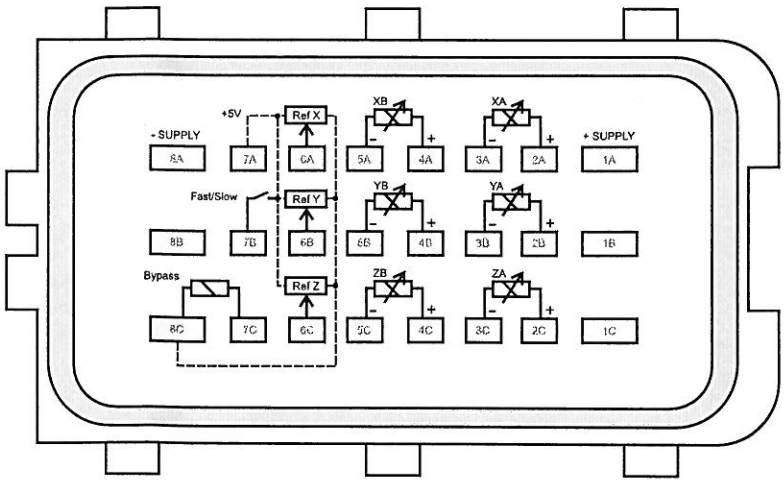
Ramp up = 0 sec
Ramp down = 0 sec

PWM frequency = 100 Hz

Other:

Bypass feedback: enabled

Connections



FABER-COM srl - Via Romana 36/1 - 42028 Poviglio (RE) - Italy Tel. +39-0522-960428 Fax. +39-0522-969644 - www.fabercom.it