

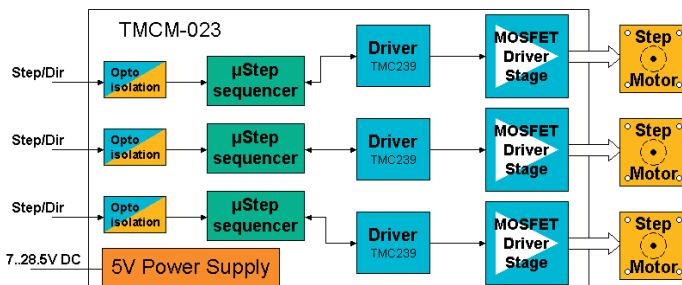
TMCM-023

3-Axis Driver Board 2.0A / 28.5V with Step / Direction Interface

The **TMCM-023** is a simple and very compact step/ direction driver for 3 stepper motors. It allows motor control via step and direction signals and automatically goes into a stand by mode. The drivers are very efficient, so that no heatsink is required if operated in room temperature environment.

The module can be directly controlled by a PLC or by a step/direction controller module like the TMCM-302. All drivers operate completely independent.

Please request for different motor current, different microstep resolution or different step/ direction control voltage.



Electrical data

- 2.0A RMS coil current (2.8A peak)
- 7V to 28.5V DC supply voltage

Supported motors

- two-phase bipolar motors with about 2A coil current (or slightly more)

Interface

- Step / Direction input (24V signal) (5V upon request)

Features

- optically isolated inputs for Step and Direction
- 1/4 or 1/8 step resolution (selected by jumper) (1/16 upon request)
- up to 245kHz microstep frequency
- TRINAMIC driver technology:
 - No heatsink required
 - standby current reduction to 0.5A
 - jumper for „mixed-decay“ mode
 - diagnostic LEDs signal failure status

Other

- RoHS compliant
- Size: 60x100mm²

ORDER CODE	DESCRIPTION
TMCM-023	3-axis S/D driver module

For further detailed information and datasheets please refer to our website <http://www.trinamic.com>.