

TMCM-023

3-Axis
Step / Direction Driver
2A / 28.5V

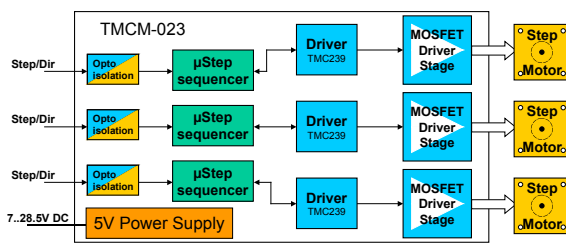
INFO The TMCM-023 is a simple and very compact step / direction driver for 3 stepper motors. It allows motor control via step and direction signals and automatically goes into a stand by mode. The drivers are very efficient, so that no heatsink is required if operated in room temperature environment.

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.

MAIN CHARACTERISTICS

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| ELECTRICAL DATA | <ul style="list-style-type: none"> • 2.0A RMS coil current (2.8A peak) • 7V to 28.5V DC supply voltage |
| SUPPORTED MOTORS | <ul style="list-style-type: none"> • two-phase bipolar motors with about 2A coil current (or slightly more) |
| INTERFACE | <ul style="list-style-type: none"> • Step / Direction input (24V signal) (5V upon request) |
| FEATURES | <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • RoHS compliant • size: 60 x 100 mm² |



ORDER CODE	DESCRIPTION
TMCM-023	3-axis step / direction driver module 2A / 28.5V