

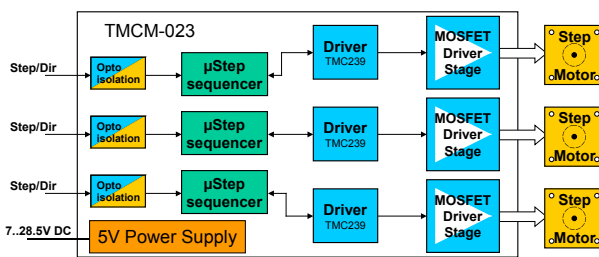
# TMCM-023

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

**INFO** The TCMC-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 TCMC-302. All drivers operate completely independent. Please request for different motor current, different microstep resolution or different step/direction control voltage.

MAIN CHARACTERISTICS

- 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: 60 x 100 mm<sup>2</sup>



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