



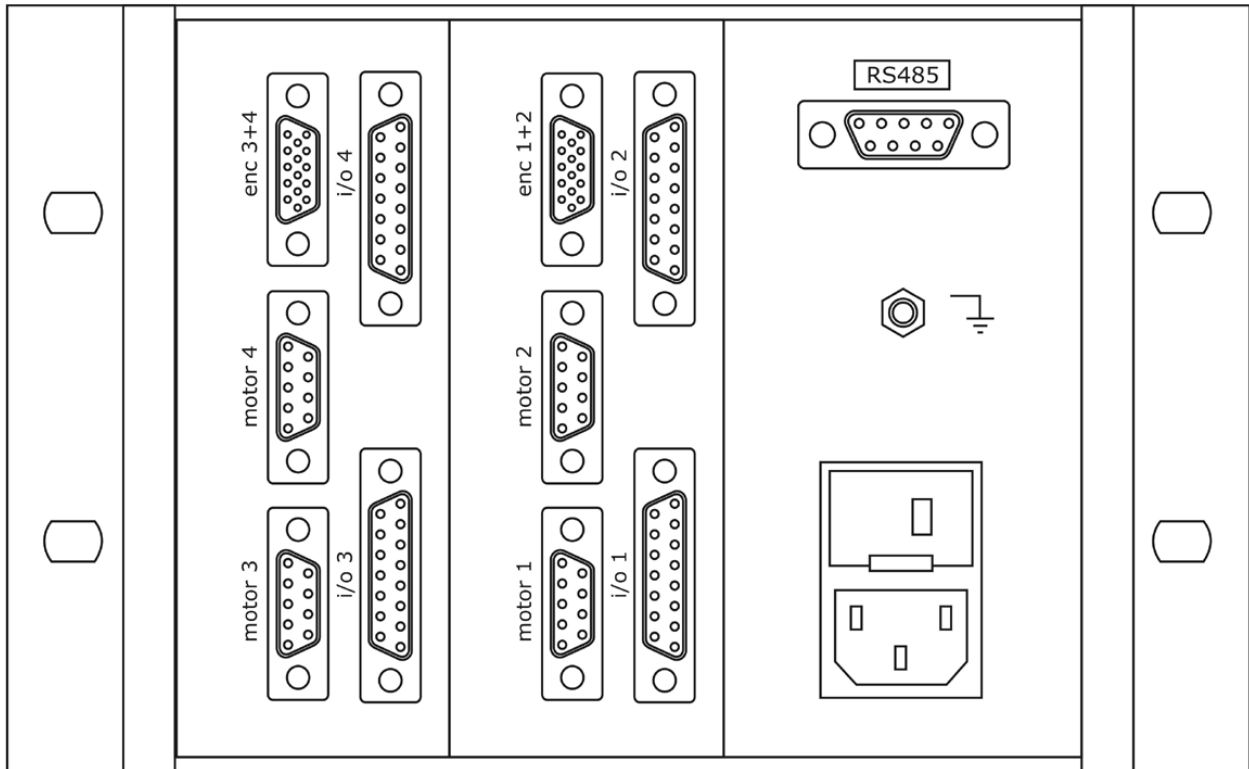
## Stepper Motor Controller Card SMC MF

The SMC MF is a programmable stepper motor controller card with two programmable modules for operating 2-phase stepper motors with a phase current of up to 3.0A each. It provides a serial interface for remote control and programming of positioning tasks. Up to 62 modules can be connected to a single serial interface.

### Specifications

Control module	IMS MForce MicroPlus <sup>2</sup>
Stepper motor type	2-phase stepper motor
Power supply	12VDC-48VDC (typical 24 VDC)
Motor phase current	0.03A...3.0A (programmable)
Ambient temperature	5°C... 40°C
Storage temperature	-10°C ... 70°C
Input signals	Limit, home, encoder (optional)
Step mode	1/1 to 250 microsteps
Step frequency	5.0 MHz max.
Communication interface	RS-422/RS-485
Modules per interface	62 max.
Dimensions	19" compatible, 160mm x 100mm x 50mm (l x w x h)
Weight	approx. 390g (board equipped with two modules)
Options	Hand-terminal, USB-RS485 Converter

Application specific custom designed systems are available upon request.



The picture above shows the rear panel connections of a PowerPac equipped with two smc.mf for the control of four stepper motors.