FULL SPECIFICATIONS

- **Supply voltage:** 24 V to 48 V DC (20 V to 55 V absolute maximum rating).
- **Output continuous current :** 17 A**, 25 A peak (2s)**.
- **Maximum output power:** 800 W**.
- **Motor type:** Brushless AC, Brushless DC, DC motor.
- **Operating temperature:** -25°C ~ 60°C
- **Position feedbacks:** Incremental encoder, Hall switches (120°), absolute encoder (BiSS, SSI, EnDat)*, predisposition for sensorless control*.
- **Inputs and outputs:** 9 configurable input/outputs:
  - Up to 4 analog inputs (Sin/Cos encoder*, potentiometer, PLC analog signals, etc.).
  - Up to 9 digital inputs (open, close and stop button, limit switches, etc.).
  - 2 high frequency digital inputs (pulse and direction control*, possibility to read a second encoder*).
  - Up to 9 digital outputs (emulated encoder, fault signaling, etc.).
- **Power outputs:** braking resistor, electromechanical brake.
- **Communications protocol:** CAN / CANopen DS402, Modbus RTU (over RS485), UART.
- **Other features:** Input for motor thermistor (NTC), power supply separable from logic power supply to be able to push the power supply beyond 55 V (limits to be defined).
- **Dimensions (width, length, height):** PCB board (55 mm, 80 mm, 23 mm), heatsink with box (63 mm, 100 mm, 37 mm). With these dimensions, it is easy to integrate the drive with linear actuators or small motors.
- **Firmware features:** torque control, speed control, position control*, diagnostics, etc.

*Under firmware development. **@ 25°C