10 mm

MONOpack 2

**1-Axis
Controller / Driver
3.5A / 48V
with Encoder Inf.**
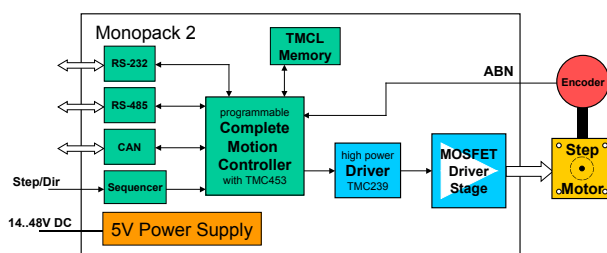
CE

INFO The MONOpack2 2 is a highly integrated stepper motor control-
ler unit in a robust housing. It provides a high motor power
and dynamics. A variety of control interfaces and protocols
provide a simple means of remote control or stand alone
functionality for all purposes. Its optional incremental encoder
feedback and a number of protection features makes drives very
dependant and reliable.

A Windows 95/98/ME/NT/2000/XP based PC software is supplied
to explore the possibilities of the MONOpack2. When operated
in TMCL mode (optional download / firmware update) you can
program its stand-alone functionality using simple TMCL com-
mands.

In terms of software and current settings the new MONOpack2
is fully compatible to the old MONOpack and MONOpack Lt while
providing a number of enhanced features.

MAIN CHARACTERISTICS

ELECTRICAL DATA
- up to 3.5A RMS coil current (5A peak)
- supply voltage 12V to 48V
- up to 406 times microstepping

SUPPORTED MOTORS
- two-phase bipolar motors with 1A to 3.5A coil current
- optional incremental encoder (2 or 3 channel)

INTERFACE
- CAN, RS485 and RS232 and step / direction (differential)
- I/Os: Limit and reference switch inputs
- incremental encoder input

FEATURES
- highly dynamic and fast response drive
- automatic S-shaped ramp generation
- closed loop for exact position maintenance or positioning check / retry
- fully protected driver

SOFTWARE
- 3 Firmware modes:
  · TMCL based stand-alone mode
  · ASCII terminal mode
  · MONOpack and Lt compatibility mode
- comes with PC-based demonstration and application development software

OTHER
- pluggable screw terminal connectors for all signals
- robust aluminum housing
- RoHS compatible
- size: 132 x 130 x 45 mm³

ORDER CODE	DESCRIPTION
TMC MONOpack2	1-axis controller / driver 3.5A / 48V with encoder interface