

TRINAMIC MOTION CONTROL



2010-Q3

NEW PRODUCTS & UPDATES



JUL-2010, GUIDO GANDOLFO

OVERVIEW

2010-Q3



MODULES

- TMCM-1180

PANdrives™

- PD-146-60-SE
- PD86-1180



miscellaneous

- discontinued products
- on demand products

MODULE: TMCM-1180



1-axis controller/driver 5.5A/48V, motor mountable

MAIN FEATURES:

- **stallGuard2™** sensorless motor load detection (high res.)
- **coolStep™** load dependent current control
- **spreadCycle™** chopper for highest smoothness, precision and high speed operation
- up to 256 microsteps (51200 pos./rev.)
- serial and Step&Direction
- **microPlyer™** 16-to-256 μ Step-multiplier
- inputs for ref. and stop switches
- general purpose I/Os, encoder inf.
- motor mountable (86mm/NEMA34)



MODULE: **TMCM-1180**



1-axis controller/driver 5.5A/48V, motor mountable

AVAILABLE MODELS:

TMCM-1180 (-option)

ORDER OPTIONS:

- TMCL** (TMCL firmware)
- CANopen** (CANopen firmware)

RELATED PRODUCT:

TMCM-1180-CABLE (cable loom, single ended)



PANdrive: PD86-1180



86mm stepper motor with controller/driver

MAIN FEATURES:

- **stallGuard2™** sensorless motor load detection (high res.)
- **coolStep™** load dependent current control
- **spreadCycle™** chopper for highest smoothness & precision and high speed operation
- up to 256 microsteps (51200 pos./rev.)
- serial and Step&Direction interface
- **microPlyer™** 16-to-256 μ Step-multiplier
- inputs for ref. and stop switches
- general purpose I/Os, encoder inf.
- **sensOstep™** encoder 256cpr



PANdrive: PD86-1180



86mm stepper motor with controller/driver

AVAILABLE MODELS:

PD86-3-1180: 7.0 Nm with QSH6018-65-28-210

other motor sizes on request

ORDER OPTIONS:

- TMCL** (TMCL firmware)
- CANopen** (CANopen firmware)



PANdrive: PD-146-60-SE



60mm stepper motor with controller/driver

MAIN FEATURES:

- power supply 24V DC
- up to 1024 μ Steps / 204800 pos./rev.
- S-shaped & trapezoidal ramps
- dynamic current control
- high dynamic range
- CAN, RS232 or RS485
- inputs for ref. and stop switches
- general purpose I/Os
- CANopen firmware available
- **sensOstep™** encoder 4096cpr



PANdrive: PD-146-60-SE



60mm stepper motor with controller/driver

AVAILABLE MODELS:

PD1-146-60-SE: 1.10 Nm with QSH6018-45-28-110

PD2-146-60-SE: 1.65 Nm with QSH6018-56-28-165

PD3-146-60-SE: 2.10 Nm with QSH6018-65-28-210

PD4-146-60-SE: 3.10 Nm with QSH6018-86-28-310

ORDER OPTIONS:

- TMCL** (TMCL firmware)
- CANopen** (CANopen firmware)



CANopen

NEW PRODUCTS Q3-2010

DISCONTINUED PRODUCTS



PRODUCT:

PD-109-57 family

PD-116-60-SE family

TMCM-351

QSH5718-41-30-047

QSH5718-55-30-098

QSH5718-79-30-163

REPLACED WITH:

PD-109-57 V2 family

PD-146-60-SE family

TMCM-351-E

QSH5718-41-28-055

QSH5718-51-28-101

QSH5718-76-28-189

ON-DEMAND PRODUCTS



The following products will not be standard products any more but they will be available on demand / on request.

PRODUCT:	STATUS:	REPLACED WITH:
TMCM-101	MOQ 100 pcs	
TMCM-301	MOQ 100 pcs	TMCM-341
TMCM-302	MOQ 100 pcs	TMCM-342
TMCM-303/SG	MOQ 100 pcs	TMCM-343
TMCM-611	MOQ 50 pcs.	
BB-035	on request	
BB-101	on request	
BB-611-2	on request	
BB-611-2	on request	
TMC454	on request	TMC457