PD**57**-1060
PD**60**-1060

coolStep™

**57mm / NEMA23 or
60mm / NEMA24
Stepper Motor with
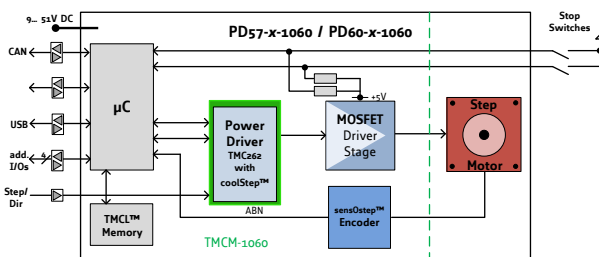Controller / Driver,
Encoder and
Serial Interface**

INFO The PANdrive PD57-1060 and PD60-1060 family is a mechatronic solution including a 57mm or 60mm flange motor, a controller board and a sensOstep™ encoder. It can be controlled via serial interface or operated in stand-alone mode. Power supply, external encoder, interface and I/Os can be connected with JST connectors.

With the advanced stallGuard2™ the motor load can be detected with high resolution. The outstanding coolStep™ technology for sensorless load dependent current control allows efficient motor operation.

The Pandrive comes with the PC based software development environment TMCL-IDE for the Trinamic Motion Control Language (TMCL™).

MAIN CHARACTERISTICS

ELECTRICAL DATA
- nom. 48V DC supply voltage (18V to 55V)
- up to 2.8A RMS coil current

MOTOR DATA
- flange size 57mm/NEMA23 or 60mm/NEMA24

INTERFACE
- CAN, USB, RS232, RS485
- step&direction interface
- inputs for ref. & stop switches
- general purpose I/Os

FEATURES
- up to 256 times microstepping
- memory for 2048 TMCL commands
- stallGuard2™ sensorless load detection
- coolStep™ sensorless load dependent current control
- microPlyer™ 16 to 256 times microstepping interpolation
- integrated absolute sensOstep™ encoder
- automatic ramp generation in hardware
- on the fly alteration of motion parameters

SOFTWARE
- stand-alone operation using TMCL™ or remote controlled operation
- PC-based application development software TMCL-IDE included
- optional CANopen firmware (CiA 302, 402)

OTHER
- RoHS compliant

ORDER CODE	DESCRIPTION
PD57-1-1060 (-option)	0.55 Nm / QMot motor QSH5718-41-28-055
PD57-2-1060 (-option)	1.01 Nm / QMot motor QSH5718-51-28-101
PD57-3-1060 (-option)	1.16 Nm / QMot motor QSH5718-56-28-116
PD57-4-1060 (-option)	1.01 Nm / QMot motor QSH5718-51-28-101
PD60-1-1060 (-option)	1.10 Nm / QMot motor QSH6018-45-28-110
PD60-2-1060 (-option)	1.65 Nm / QMot motor QSH6018-56-28-165
PD60-3-1060 (-option)	2.10 Nm / QMot motor QSH6018-65-28-210
PD60-4-1060 (-option)	3.10 Nm / QMot motor QSH6018-86-28-310
ORDER OPTIONS	
TMCL	with TMCL™ firmware
CANopen	with CANopen firmware (under development)

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for trinamic *manufacturer:*

Other Similar products are found below :

TMC2041-EVAL-KIT TMCM-3213 TMCM-343-H-TMCL PD86-3-1180-CANOPEN QSH6018-65-28-210 TMCS-40-KIT QSH8618-95-55-700 TMC-UPS-10A70V-EVAL TMC-UPS-2A24V-EVAL TMC5031-EVAL-KIT TMCM-6214-CABLE PD42-2-1240-TMCL TMCM-1021 TMC424 PD57-2-1060-TMCL TMCM-3230-CANOPEN TMCM-3312-TMCL TMCM-3313 TMC4330-EVAL PD-1141-CABLE PD42-2-1141 PD57-1-1160-TMCL PD60-3-1160-TMCL PD42-3-1241-CANOPEN PD60-4-1076 PD57-1-1276-CANOPEN PD57-2-1276-CANOPEN PD57-2-1276-TMCL TMCM-1311 QSH5718-51-28-101 QSH5718-76-28-189 TMCM-3212-CANOPEN TMCM-3214-CANOPEN TMCM-3214-TMCL TMCM-3215 TMCM-3312-CANOPEN TMCM-6210-CANOPEN TMCM-6210-TMCL TMCM-6212-CANOPEN TMCM-6213 PD42-1-1270-CANOPEN PD42-3-1140-TMCL PD42-3-1141 TMC261-BOB TMCM-1241-CANOPEN TMC8670-EVAL PD57-1-1276-TMCL PD60-3-1276-TMCL TMC-SCHRAUBSTOCK TMCM-3110-TMCL