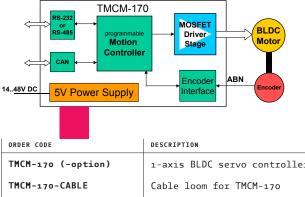


INFO The TMCM-170 is a controller / driver module fo mance servo drives based on brushless DC moti high resolution like a stepper motor coupled w dynamic, high velocity and high reliability of a built-in ramp generator allows parameterized sn ing, with an external switch in order to provide position reference. Its small form factor allows on or into a motor-encoder assembly. The TMCM a position regulator and a ramp generator, to a modes. The module can be remote controlled v 485 or via a CAN interface (ordering option). The perfectly to the QBL5704 BLDC motors.



RS232 and CAN interface

RS485 and CAN interface

TMCM-170

1-Axis Motor Mounted BLDC Servo Controller / Driver with Encoder Inf. 10A / 48V

MAIN CHARACTERISTICS

iver module for high perfor- ishless DC motors. It gives a potor coupled with the high reliability of a BLDC drive. A arameterized smooth position- rder to provide for an absolute in factor allows direct mounting mbly. The TMCM-170 integrates generator, to allow for velocity ite controlled via an RS-232, RS- ing option). The TMCM-170 fits otors.	ELECTRICAL DATA SUPPORTED MOTORS	 up to 10A coil current (contact to cooling plane might be required using gap pad) 12V to 48V motor supply voltage three phase BLDC motors from a few watts up to 500W, optional hall sensors two or three channel encoder attached to mechanical axis min 256 steps resol. velocity up to 100,000 rpm (el. field) CAN and RS-232 or CAN and RS-485 digital input for absolute pos. reference servo drive allows ultra precise and fastpositioning automatic positioning ramp generation with all parameters changable on-the-fly different start-up modes for commutation 1024 entry 10 bit motor sine commutation table
		• high efficiency, low power dissipation
		 integrated protection: reverse polarity, overload / overtemperature
	SOFTWARE	 stand alone operation (analog control or TMCL program) or remote controlled operation PC-based demonstration software allows setting of all parameters
	OTHER	 pluggable connectors for interface
		RoHS compliant
		• diameter: 61 mm (two stacked PCBs)
DESCRIPTION		
1-axis BLDC servo controller .	/ driver	module 10A / 48V
Cable loom for TMCM-170		
QMot QBL 5704		

www.trinamic.com - for detailed information and datasheets

Related products:

OPTIONS

232

485