

BGE6015A Programmable Drive



The BGE6015A brushless motor drive is a larger 4-quadrant servo controller designed for operation in speed, torque and position modes. Drive can operate as a stand-alone motion controller or as a slave in a CANopen network.

■ Benefits

- 4-quadrant servo controller
- Fully programmable control unit
- CANopen interface (DSP402)
- Protection against over-voltage, under-voltage and over-temperature
- Also capable of driving brushed type DC motors

■ Characteristics

Data	Units	Part No.
		BGE6015A
Voltage Range	V DC	10 to 60 V DC
Continuous Output Current	A	9 A rms
Peak Output Current	A	15.0 A rm
Digital Inputs		5
Digital Outputs		1
Analog Inputs		1 (0 to +10 V)
Communication		CANopen
Torque Mode		Yes
Speed Mode		Yes
Position Mode		Yes
Size	mm	75 x 110 x 40

■ X2 Connector - Hall Sensors and Encoders

PIN	Symbol	Description
1	H1	Hall sensor 1
2	H2	Hall sensor 2
3	H3	Hall sensor 3
4	A	Inc. encoder channel A
5	B	Inc. encoder channel B
6	INX	Inc. encoder index channel
7	+UH	Power supply hall/encoder +5V
8	/H1	Hall sensor 1 inverted
9	/H2	Hall sensor 2 inverted
10	/H3	Hall sensor 3 inverted
11	/A	Inc. encoder channel A inverted
12	/B	Inc. encoder channel B inverted
13	/INX	inc. encoder index channel inverted
14	GND	Ground 0V for power supply hall/encoder

■ X1 Connector - Power Supply and Motor

PIN	Symbol	Description
1	PE	Earth
2	+UP	Power supply
3	GND	Ground 0V for power supply
4	Ma	Motor connection A
5	Mb	Motor connection B
6	Mc	Motor connection C

■ X3 Connector - Analog and Digital I/O

PIN	Symbol	Description
1	+UE	Power supply electronic
2	+AIN 0/DIN4	+ Analog input/ digital input 4
3	DIN 0	Digital input 0
4	DIN 1	Digital input 1
5	DIN 2	Digital input 2
6	DIN 3	Digital input 3
7	GND	Ground 0V for power supply electronic
8	-AIN 0	Analog input
9	DOUT 0	Digital output 0
10	CAN_HI	CAN high
11	CAN_LO	CAN low
12	CAN_GND	CAN ground

Dimensional Drawing: BGE6015A

