

BGE6005A Programmable Drive



The compact BGE6005A brushless motor drive is 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.

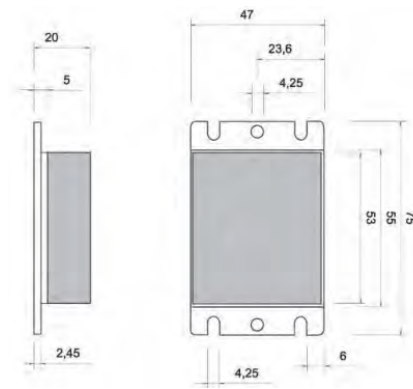
■ Benefits

- 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.
		BGE6005A
Voltage Range	V DC	10 to 60 V DC
Continuous Output Current	A	2 A rms
Peak Output Current	A	5.0 A rm
Digital Inputs		3
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 47 x 20

Dimensional Drawing: BGE6005A



■ X1 Connector - Sensors, Encoders and I/O

PIN	Symbol	Description
1	+UE	Supply voltage electronic
2	GND	Earth for electronic
3	AIN0	Analog input 0
4	DIN0	Digital input 0
5	DIN1	Digital input 1
6	DIN2/DOUT0	Digital input 2/ Digital output 0
7	CAN_HI	CAN high
8	CAN_LO	CAN low
9	H1	Hallsensor signal 1
10	H2	Hallsensor signal 2
11	H3/Inx	Hallsensor signal 3/ Inc. Encoder Index
12	A	Inc. encoder track A
13	NB	Inc. encoder track B/
14	+UH	Power supply Hall/ Enc+5V
15	GND	Earth für Hall/ Encoder

■ X2 Connector - Power Supply and Motor

PIN	Symbol	Description
1	+UP	Supply voltage power
2	GND	Earth for power supply
3	Ma	Motor connection A
4	Mb	Motor connection B
5	Mc	Motor connection C