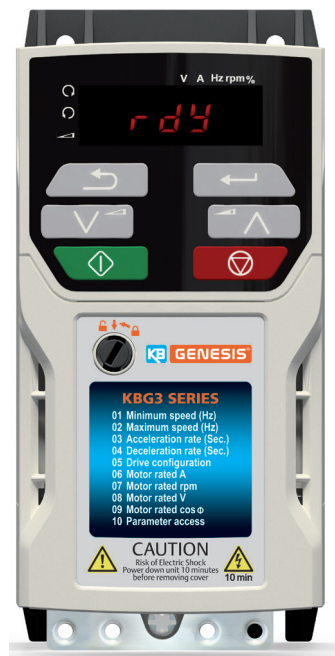


KBG3 Series

Safety Onboard



Integrated Safety and Flexible Communications

0.33 HP – 30 HP (0.25 kW – 22 kW)

115 V | 230 V | 460 V | 575 V

When it comes down to safety, failure is unacceptable. Yet equipment is often more complex than it needs to be.

The KBG3 provides a cost effective approach to safety. It features a dual Safe Torque Off (STO) input, certified to SIL3/PLe safety rating and compliant with EN/IEC 61800-5-2.

As all the work is done inside the drive, no additional parts are needed. When a machine trips, the STO stops the motor from producing torque, preventing accidental start up. A simple solution to a serious problem.



KBG3 Series

Safety Onboard

Flexible Connectivity

Connect with many of the common fieldbuses using the modular 'SI' interface port. It can communicate with Modbus TCP/IP, Ethernet/IP, EtherCAT, PROFINET-RT, PROFIBUS-DP, CANopen and DeviceNet. The AI-485 Adaptor option can also connect to RS485 networks using Modbus RTU.

Increase Your Productivity

To get the most out of your drives, we have developed the KBConnect PC tool. It is designed to aid productivity when commissioning, optimizing, and monitoring drive/system performance.
www.kbelectronics.com/KBG-Drive-Setup.html

More Control. No Extra Cost

If you are using an external PLC in your machinery, you will know that extra functionality comes at a price. Our integrated PLC is included at no extra cost.

Easy to Setup

Our most user-friendly drive yet. Designed to make installation simple and quick. All the parameters you need to get started are on the front of the drive. For everything else, there is the step-by-step guide that comes in the box.

If you prefer, you'll find online support at:
www.kbelectronics.com/KBG-Drive-Setup.html

Save even more time by transferring settings before you install the drive. All you need is our AI-Backup module or AI-Smart Adaptor, and a 24V power supply.

Reliable Workhorse

Our drives keep your machines running, even in the toughest environments. That means working to international standards IEC60068-2-60 to levels defined by IEC721-3-3 2C3.

Technology You Can Trust

Each of our controls go through rigorous testing before they leave the factory. This ensures reliability and provides confidence that your KBG3 series drive performs properly in your application.



KB ELECTRONICS

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info@kbelectronics.com • www.kbelectronics.com

Simple to Use

**Up and Running in
4 Easy Steps**

Safe

Dual Safe Torque Off

Flexible

**Connects to Over
7 Common Protocols**

Made to Last

**Up to 5 Years
Extended Warranty**

Robust

**180% (30s) / 150% (60s)
Overload**

1-Click Online Support

**[kbelectronics.com/
KBG-Drive-Setup.html](http://kbelectronics.com/KBG-Drive-Setup.html)**

Drive Specifications

Open Loop Vector or V/Hz	✓
Open Loop Rotor Flux Control (RFC-A)	✓
Analog Inputs / Outputs	2/1
Digital Inputs / Outputs / Bidirectional I/O	4/0/1
Relay Output ¹	1
Safe Torque Off	2
Onboard PLC	✓
RS485 Communications Modbus RTU ²	✓
Cloning via SD Card ³	✓

1. Configurable. 2. Requires AI-485 Adapter. 3. Requires AI-Backup Adapter.