

KEB 09F5B1B-2B0A Manual

Brand	KEB
Product Series	KEB+Others
Product Type	-

Description

The KEB 09F5B1B-2B0A is part of the F5 Combivert Axis Drive Series, featuring a power rating of 1.5 kilowatts. It operates with a nominal current of 7 Amps and a switching frequency of 16 kHz. The axis drive includes short-circuit and earth fault monitoring, along with an enclosure rating of IP20 for protection.

Product Description: KEB Automation produces a sturdy and dependable axis drive, the KEB 09.F5.B1B-2B0A. It is a member of the F5 Combivert Axis Drive Series, which provides industrial automation with accuracy and efficiency. Because of its medium-load construction, this type may be used for a variety of motion control jobs. Its engineering has a strong emphasis on performance, safety, and durability, making sure it satisfies strict industry requirements. With a 1.5 kW power rating, the 09.F5.B1B-2B0A strikes a balance between performance and energy economy. This power output ensures dependable operation under normal load situations while optimizing medium-scale automation operations. During normal operation, its nominal current of 7 Amp provides steady and reliable performance. The drive can accommodate brief overloads without sacrificing its integrity, with a maximum current of 15.1 Amps capable of handling peak demands. The 16 kHz switching frequency of this axis drive is one of its key characteristics. This high frequency makes it possible to precisely regulate motor activities, guaranteeing efficient and seamless operation. It also aids in the reduction of electromagnetic interference, which is essential in settings with delicate electrical devices. In accordance with strict electromagnetic compatibility regulations, the drive also satisfies EMC Category C1. Monitoring for earth faults and short circuits is one of the protective aspects of the drive, which is essential for protecting the gadget and its operating system. Potential damage and downtime are avoided thanks to these features, which guarantee that fault circumstances are promptly identified and handled. The gadget may be used in typical industrial settings since it is shielded against solid objects bigger than 12.5 mm by its IP20-rated shell. The drive can operate between -10°C and 45°C, and it may be stored between -25°C and 70°C. Its broad temperature range highlights how adaptable it is to a variety of industrial environments.