

DM15K1101-D

Industrial automation components

Manufacturer	Bosch
Catalog number	dm-15k-1101-d
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Voltage	670 V
Current	6 A
Frequency	8 KHZ
Product Type	Drive
Signal Level	670 V
Signal Type	670
Relay Specifications	670 VAC

Description

The Bosch DM15K1101-D is a high-performance servo drive module engineered for precise motion control in industrial automation systems. Designed by Bosch, a leader in automation technology, this module offers exceptional reliability and efficiency. It operates with a 670 VDC regulated DC link voltage, delivering a maximum current of 35 A, and supports a frequency range from 0 to 800 Hz, with a switching frequency of 8 kHz. The DM15K1101-D features a modular design, allowing for flexible integration into various automation setups. It utilizes the SERCOS interface for full digital control of current, speed, and position, ensuring seamless communication with compatible control systems. This servo drive is suitable for controlling synchronous linear motors, SF and SR servo motors, and DU asynchronous motors, making it ideal for applications requiring high precision and dynamic performance. Its compact design eliminates the need for a backplane module, and it includes an air-cooling system to maintain optimal operating temperatures. The DM15K1101-D is built to operate within an ambient temperature range of 0 to 45 degrees Celsius and has a storage temperature range of -25 to 70 degrees Celsius. With a weight of 6 kg and a modular width dimension of 50 mm, it is designed for easy integration into existing systems. This servo drive module is a reliable choice for enhancing motion control capabilities in industrial automation applications.