

## DM4K1101-D

Industrial automation components

<b>Manufacturer</b>	Bosch Rexroth
<b>Catalog number</b>	dm4k1101-d
<b>Category</b>	Industrial automation components
<b>Product type</b>	Industrial automation components
<b>Status</b>	Active product

### Technical specification

<b>Weight</b>	5.90 kgs
<b>Input Voltage</b>	670 V
<b>Interface</b>	SERCOS
<b>Cooling Method</b>	Air-cooling
<b>Module Width</b>	50 mm
<b>Weight</b>	6.0 kg

### Description

The Bosch Rexroth DM4K1101-D is a three-phase modular servo drive from the Servodyn-D series, engineered to precisely control speed, current, and position for SF and SR servo motors, integrated motors with standard encoders, and asynchronous DU-type motors. Designed for demanding industrial environments, it operates with a 670V input voltage, delivering a DC link voltage of 670 VDC through a native SERCOS interface, ensuring deterministic communication and precise motion control. The drive utilizes an efficient air-cooling method and has a slim module width of 50 mm to optimize panel density. Weighing just 6.0 kg, the DM4K1101-D balances compactness with mechanical robustness. Power handling capabilities include a maximum current of 6.6 Arms and a rated current of 0.8 Arms, while maintaining a low power loss of 96.5 W under nominal load. The unit operates reliably across an ambient range of 0 to 40 °C and can be stored between -25 and 70 °C, complying with DIN IEC 68-2-27 shock resistance and EN 60068-2-6 vibration resistance standards. Its IP20 protection class and climatic category 3K3 rating allow installation up to 1000 m above sea level when cabinet air is filtered and free of corrosive agents. Built-in support for personality modules and memory cards further simplifies parameter management and firmware updates. Safety and modularity are intrinsic to the DM4K1101-D design, featuring an integrated, redundant 2-channel safety structure with certification for STO and SS1 functions. Optional regeneration and infeed supply modules enable energy recovery and seamless DC-bus integration across multi-axis installations. Automated commissioning routines and a standardized mechanical footprint reduce setup time, making this drive an ideal solution for performance-driven automation applications in machine tools, packaging machinery, and robotics.