LXM62DD45C21011

Industrial automation components

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Manufacturer	Schneider Electric
Catalog number	lxm62dd45c21011
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Product Type	Single-phase servo drive
Rated Supply Voltage	24 V DC
Continuous Output Current	20 A at 4 kHz
Peak Output Current	45 A at 4 kHz
Continuous Power Output	9.6 kW
Physical Interface	SERCOS III
Number of Digital Inputs	2
Number of Touch Probe Inputs	2
Number of Digital Outputs	2
Motor Compatibility	SH3 and MH3 series
Certifications	CE, CSA, TÜV, UL, EAC

Description

The Schneider Electric LXM62DD45C21011 is a high-performance servo drive from the Lexium 62 series, designed for precise motion control in industrial automation applications. This single-phase drive operates at a rated supply voltage of 24 V DC and delivers a continuous output current of 20 A at 4 kHz, with a peak output current of 45 A at 4 kHz.

It provides a continuous power output of 9.6 kW, making it suitable for demanding applications requiring robust performance. The drive features a SERCOS III physical interface, ensuring seamless communication within automation systems.

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It includes two digital inputs, two touch probe inputs, and two digital outputs, offering versatile connectivity options. The LXM62DD45C21011 is compatible with various Schneider Electric servo motors, including the SH3 and MH3 series, optimized for torque and speed.

It is certified by CE, CSA, TÜV, UL, and EAC, and complies with standards such as EN 61800-5-2, EN/ISO 13849-1, and IEC 61508, ensuring high safety and quality standards. The drive is housed in an IP20 enclosure, suitable for indoor use, and operates within an ambient temperature range of 5°C to 55°C.

Its compact design, measuring 270 mm in length, 44.5 mm in width, and 310 mm in height, facilitates easy integration into various industrial setups. The LXM62DD45C21011 is ideal for applications in general machine control, packaging machine automation, and material handling, where precise and reliable motion control is essential.