

00-122-285

Industrial automation components

Manufacturer	Kuka
Catalog number	00-122-285
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Weight	1.96 kgs
Voltage	0 - 400 V
Current	8 A
Product Type	Drive
Signal Level	675 V
Signal Type	675
Relay Specifications	400 VAC

Description

The KUKA 00-122-285, also known as model number 00122285, is a high-performance servo drive designed for precision motion control in advanced automation applications. This AC drive is a part of KUKA's respected KSD1-16 series and is built to meet the rigorous demands of modern manufacturing environments, particularly in robotics and CNC systems. As a servo controller, the 00-122-285 offers accurate control over motor speed, torque, and position, ensuring high levels of efficiency and responsiveness in dynamic industrial settings. Whether integrated into a KUKA robotic system or other complex machinery, this drive helps optimize performance while ensuring smooth and consistent motion. Engineered with versatility in mind, the KUKA 00-122-285 operates with a two-phase input, delivering reliable power conversion in industrial environments. It accepts a wide input voltage range from 0 to 565/675 VDC, enabling the drive to adapt to various power supply conditions. This flexible input range is especially beneficial in systems where voltage regulation is critical or power quality varies. The current input rating is 7.8 to 9.8 amps, indicating its capability to handle moderate power demands while supporting high-precision performance across various motor types and operating conditions. The output of the 00122285 servo drive is equally impressive, delivering a three-phase output with a voltage range from 0 to 400 VAC. This broad output range supports various servo motors and is suitable for high-speed, high-torque applications. With an output current capacity of 6.4 to 8.0 amps and a frequency range of 0 to 480 Hz, the drive offers exceptional control and flexibility in motion dynamics. This allows the user to finely tune motor response for demanding applications, such as robotic articulation, automated positioning systems, and process control systems that require precise movement. As with all KUKA components, the 00-122-285 is engineered for long-term durability and seamless system integration. Its robust build quality ensures reliability even under extended operational hours and challenging industrial conditions. Designed to work flawlessly within the KUKA automation framework, this drive supports broader integration with other industrial control architectures. Additionally, it is supported by MRO Electric and Supply with a 2-year MRO warranty and is available for immediate shipping. This ensures minimal downtime for maintenance or replacement, making it a cost-effective choice for maintaining productivity in fast-paced production environments.