

## DKC10.3-012-3-MGP-01VRS

Industrial automation components

<b>Manufacturer</b>	Indramat
<b>Catalog number</b>	dkc103-012-3-mgp-01vrs
<b>Category</b>	Industrial automation components
<b>Product type</b>	Industrial automation components
<b>Status</b>	Active product

### Technical specification

<b>Weight</b>	2.20 kgs
<b>Current</b>	12 A
<b>Signal Level</b>	300 V
<b>Voltage</b>	300 V
<b>Product Type</b>	Drive
<b>Signal Type</b>	300

### Description

The Indramat DKC10.3-012-3-MGP-01VRS is a high-performance servo drive controller engineered for precise motion control in industrial automation systems. Designed by Indramat, a leader in motion control technology, this model offers a nominal DC-bus voltage of 300 V and a rated current of 12 A, ensuring reliable operation in demanding applications. It operates with a mains input voltage of 200–240 V AC at 50/60 Hz, providing flexibility for various industrial environments. The controller features a continuous power soft-start resistor rated at 17 W, which helps limit inrush currents during startup, thereby protecting system components and enhancing their longevity. Additionally, it delivers a DC bus peak power of 1469 W, accommodating transient spikes without compromising performance. The DKC10.3-012-3-MGP-01VRS is part of Indramat's DKC Drive Controllers series, known for their robust design and advanced features. It is suitable for applications requiring precise control and high reliability, such as robotics, CNC machinery, and automated assembly lines. This model is compatible with both single and multi-axis Indramat motors, making it versatile for various system configurations. Its design version 3 hardware ensures enhanced signal integrity and reduced electromagnetic interference, contributing to stable and accurate motion control. The firmware version 01 supports multi-interface, general-purpose functionality, allowing for seamless integration into diverse automation systems. With an operating ambient temperature range up to 55°C, the DKC10.3-012-3-MGP-01VRS is built to perform in challenging industrial conditions. Its compact dimensions and efficient design make it a valuable component for enhancing the performance and reliability of industrial automation systems.