

DKC03.3-100-7-FW

Industrial automation components

Manufacturer	Bosch Rexroth
Catalog number	dkc033-100-7-fw
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Weight	4.32 kgs
Voltage	300 - 480 V
Current	100 A
Signal Level	480 V
Product Type	Drive
Signal Type	480
Relay Specifications	100 A

Description

The Bosch Rexroth DKC03.3-100-7-FW is a high-performance drive controller designed for precise control of Indramat MKD motor series in industrial automation applications. This controller operates with a rated current of 100 A and supports a DC-bus nominal voltage of 700 V, ensuring efficient power management. It accepts input voltages between 200 V and 480 V at input frequencies of 50-60 Hz, accommodating both single-phase and three-phase systems. The modular design facilitates easy integration and maintenance, while the Profibus Master compatibility ensures seamless communication within automation networks. With a maximum output frequency of 400 Hz, it delivers precise control for high-speed operations. The controller features a soft-start resistor of 0.5 kW continuous power and 24 Ω , with a nominal charging current range of 12 A to 28 A, enhancing system reliability during startup. Designed to operate in environments with a pollution degree of 2, it can withstand ambient temperatures up to 45°C, making it suitable for various industrial settings. Firmware is supplied separately, allowing for customization to meet specific application requirements.