

DKC04.3-040-7-FW

Industrial automation components

Manufacturer	Indramat
Catalog number	dkc043-040-7-fw
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Weight	5.44 kgs
Product Type	Drive
Signal Level	480 V
Voltage	200 - 480 V
Current	40 A
Measurement Range	200 - 480

Description

The Indramat DKC04.3-040-7-FW is a high-performance AC 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 rated current of 40 A and operates with a DC-bus nominal voltage of 700 V. It is part of the DKC Drive Controllers series, known for their reliability and efficiency in demanding applications. The DKC04.3-040-7-FW features an RS-232/485 serial interface, facilitating seamless installation, diagnostics, and parameter setup. It provides control over current, position, and velocity, making it suitable for both single-axis and multi-axis motor configurations. The unit is enclosed in an IP20-rated housing, ensuring protection against dust and contact with hazardous parts. Operating within a temperature range of 5°C to 45°C, it can function at reduced efficiency up to 55°C, accommodating various environmental conditions. The drive controller is designed for installation at altitudes up to 1000 meters, with performance considerations for elevations up to 2000 meters. Firmware for this model is supplied separately, allowing for updates and customization to meet specific application requirements. This drive controller is ideal for applications requiring precise motion control, such as robotics, CNC machinery, and automated assembly lines, where reliability and performance are paramount.