

DKC01.3-100-7-FW

Industrial automation components

Manufacturer	Indramat
Catalog number	dkc013-100-7-fw
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Weight	9.80 kgs
Current	100 A
Product Type	Drive
Rated Current	100 A
DC-bus Nominal Voltage	700 V
Dimensions	360 x 105 x 261 mm
Weight	4.4 kg
Input Voltage Range	380–480 V
Input Frequency Range	50–60 Hz
Control Voltage Input	24 V
Protection Rating	IP20

Description

The Indramat DKC01.3-100-7-FW is a high-performance AC servo amplifier drive controller from the DKC Drive Controllers series, designed for demanding industrial applications. This drive controller operates with a DC-bus nominal voltage of 700 V and delivers a rated current of 100 A, making it suitable for precise motion control tasks in various automation systems. It features a compact design with dimensions of 360 mm in height, 105 mm in width, and 261 mm in depth, and weighs approximately 4.4 kg, facilitating easy integration into existing control enclosures. The DKC01.3-100-7-FW is engineered for vertical mounting and operates reliably within an ambient temperature range of 0 to +45°C, withstanding installation elevations up to 1000 meters above sea level. It accepts an input voltage range of 380–480 V and an input frequency range of 50–60 Hz, ensuring compatibility with standard three-phase industrial mains. The drive controller is equipped with a 24 V control voltage input, integrating seamlessly into complex control architectures while safeguarding logic circuits. Its IP20 protection rating ensures reliable operation in standard industrial enclosures, protecting against intrusion by solid objects larger than 12 mm. Designed to support extensibility, the DKC01.3-100-7-FW accommodates option cards such as RS232/485, analog I/O, and the DKC01.3-LK-EAK02 stepper and parallel interface, enhancing flexibility for specialized automation tasks. With its combination of precise current control, broad voltage compatibility, and rugged construction, the DKC01.3-100-7-FW stands out as an ideal choice for OEMs and system integrators seeking a versatile drive solution.