DDS021-F100-DA01-00

Industrial automation components

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Manufacturer	Indramat
Catalog number	dds021-f100-da01-00
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Product Type	Digital AC Servo Drive Controller
Rated Current	100 A
Cooling Method	Coolant Technology
Motor Feedback	Digital Servo Feedback
Communication Module	Analog
DC Bus Voltage	300 V (±15%)
Protection Degree	IP20
Maximum Installation Height	1000 meters above sea level m

Description

The Indramat DDS02.1-F100-DA01-00 is a high-performance digital AC servo drive controller from the DDS Drive Controllers series, designed for precise motor control in industrial automation systems. This controller features a rated current of 100 A and utilizes advanced coolant technology for efficient thermal management, ensuring reliable operation in demanding environments. It is compatible with MDD, MKD, and LAR AC motors, providing seamless integration for various automation applications. The modular design includes five configurable module slots (U1–U5), with the standard configuration comprising a command communication module in U1, an auxiliary plugin module in U2, and a software module in U5, while U3 and U4 are available for additional expansion. The controller operates with a DC bus voltage of 300 V (±15%) and offers both maximum peak and continuous current ratings of 100 A. It employs digital servo feedback for precise motor position detection and includes an analog communication module for straightforward integration. The enclosure has an IP20 protection degree, suitable for mounting within a control cabinet. Designed for installation up to 1000 meters above sea level, the DDS02.1-F100-DA01-00 is ideal for dynamic servo applications requiring high responsiveness

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