AUTOMATION TRADER

DDS21-F100-DA01-00

Industrial automation components

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Manufacturer	Indramat
Catalog number	dds21-f100-da01-00
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Indramat
Part Number	DDS2.1-F100-DA01-00
Product Type	Drive Controller
Rated Current	100 A
DC Bus Voltage	300 V (±15%)
Cooling Method	Coolant Technology
Motor Feedback	Digital Servo Feedback
Communication Module	Analog
Ingress Protection Rating	IP20
Ambient Temperature Range	0°C to 45°C
Maximum Installation Altitude	1000 meters above sea level m

Description

The Indramat DDS2.1-F100-DA01-00 is a high-performance drive controller engineered for dynamic motion applications in industrial automation systems. Designed to integrate seamlessly with MDD, MKD, and LAR AC motors, this controller offers precise motor control and efficient thermal management. It features a modular architecture with five configurable module slots (U1–U5), allowing for flexible system expansion and customization. The standard configuration includes a command communication module in U1, an auxiliary plugin module in U2, and a software module in U5, with U3 and U4 available for additional modules. Operating on a DC bus voltage of 300 V (±15%), the DDS2.1-F100-DA01-00 delivers both a maximum peak current and a continuous current of 100 A, ensuring reliable performance

under demanding load conditions. The controller utilizes advanced coolant technology for thermal management, maintaining optimal operating temperatures and enhancing system reliability. It supports digital servo feedback for precise motor position detection and includes an analog communication module for seamless integration into existing control architectures. With an ingress protection rating of IP20, the unit is suitable for installation in standard control cabinets, providing basic protection against solid objects larger than 12 mm. Designed for operation in ambient temperatures ranging from 0°C to 45°C and at altitudes up to 1000 meters above sea level, the DDS2.1-F100-DA01-00 is well-suited for a variety of industrial environments. Its robust design and advanced features make it an ideal choice for applications requiring high responsiveness and precise motion control.