DDS21-F050-D

Industrial automation components

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Manufacturer	Indramat
Catalog number	dds21-f050-d
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Product Type	Drive Controller
Input Rating	50A
Compatible Motors	2AD, LAF, LSF, MDD, MDK, 1MB, MBW
Operating Temperature Range	0 to +45 degrees Celsius °C
Cooling Method	Coolant
Protection Rating	IP20

Description

The Indramat DDS2.1-F050-D is a versatile drive controller engineered for precise control of AC servo motors in industrial automation applications. Designed by Indramat, a leader in motion control technology, this model is compatible with various AC servo motors, including 2AD, LAF, LSF, MDD, MDK, 1MB, and MBW. Its modular design allows seamless integration with these motors to form a cohesive drive unit, tailored for specific operational requirements. The DDS2.1-F050-D operates efficiently within an ambient temperature range of 0 to +45 degrees Celsius, utilizing a coolant system to maintain optimal motor temperature. This feature ensures reliable performance in diverse environments. The controller is housed in an enclosure with an IP20 protection rating, safeguarding against solid objects up to 50mm in diameter. For outdoor applications, it requires an additional housing with at least an IP10 protection rating. Installation is straightforward, employing standard screws with a specified tightening torque, and the device is designed to be mounted in a manner that allows for adequate ventilation, especially in confined spaces. The DDS2.1-F050-D operates with a 300 V DC bus voltage, accommodating a 10% tolerance, and is protected against penetration by solid objects larger than 50mm. This robust design makes it suitable for various industrial settings, including packaging machines, printing presses, robotics, and transfer facilities. Its reliable performance and adaptability make it a valuable component in automation systems.

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