

DDS2.1-W050-R

Industrial automation components

Manufacturer	Indramat
Catalog number	dds21-w050-r
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Weight	1.36 kgs
Voltage	300 V
Signal Type	300
Product Type	Drive
Signal Level	300 V

Description

The Indramat DDS2.1-W050-R is a digital and modular AC servo control drive unit from the DDS Series, designed for precise motor control in industrial automation applications. This drive controller operates with a DC bus voltage of 300 VDC $\pm 15\%$ and requires a continuous current of 50 A for optimal performance. It features internal air cooling, ensuring efficient thermal management during operation. The DDS2.1-W050-R utilizes resolver feedback for accurate motor position sensing, enhancing the precision of motion control systems. With a protection rating of IP 20, it is suitable for installation in control cabinets or closed housings. The unit is designed to operate in ambient temperatures up to 45°C at rated data, with the capability to function up to 55°C with derated parameters. Its modular construction allows for easy integration with various AC servo and main drives using a shared power supply, making it a versatile choice for complex automation systems.