

DDS02.1-W025-R

Industrial automation components

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| Manufacturer | Indramat |
| Catalog number | dds021-w025-r |
| Category | Industrial automation components |
| Product type | Industrial automation components |
| Status | Active product |

Technical specification

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| Weight | 1.75 kgs |
| Signal Type | 300 |
| Voltage | 300 V |
| Product Type | Drive |
| Signal Level | 300 V |

Description

The Indramat DDS02.1-W025-R is a digital and modular AC servo control drive unit from the DDS series, designed for precise motion control in industrial automation applications. This drive controller is engineered to deliver a continuous current of 25 A, making it suitable for powering various AC synchronous and linear motors. It operates with a DC bus voltage of 300 V, accommodating a $\pm 15\%$ tolerance, ensuring reliable performance in diverse operational environments. The unit features internal air cooling, maintaining optimal temperature conditions during extended use. Equipped with resolver-based motor feedback, the DDS02.1-W025-R ensures accurate position and speed control, essential for high-precision tasks. The device supports a factory-assigned communication module, facilitating seamless integration into existing automation systems. Designed for operation within a temperature range of 0 to +45 °C, it is protected to IP10 standards, offering basic protection against dust and foreign objects. The DDS02.1-W025-R is ideal for applications in machine tools, textiles, packaging, and other sectors requiring precise and reliable motion control solutions.